



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 11] नई दिल्ली, शनिवार, मार्च 18, 1989 (फाल्गुन 27, 1910)

No. 11] NEW DELHI, SATURDAY, MARCH 17, 1989 (PHALGUNA 28, 1910)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III--SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 18th March 1989

ADDRESS AND JURISDICTION OF OFFICE OF
THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates,
III Floor, Tower Parel (West),
Bombay-400 013.

Telegraphic address "PATOFFICE".

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

Telegraphic address "PATENTOFFICE".

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

Telegraphic address "PATENTOFFICE"

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234 4, Acharaya Jagadish Bose Road,
Calcutta-700 020.

Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

REGISTRATION OF PATENT AGENTS

The following persons have been registered as patent Agents :

1. Shri R. K. Katti,
18/3, Sandesh Society,
Salisbury Park,
Pune-411001.
2. Shri A. J. Vinobaji,
Flat No. 21, Block-39,
Shantinikethan Colony,
Thirumangalam,
Anna Nagar West,
Madras-600 101.
3. Shri B. N. Poojari,
B-15, Nehal,
Vardhman Nagar,
Opp. Gouri Cinema, Bhayandar (W),
Pin Code-401101.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADICH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 8th February 1989

- 112/Cal/89. Metallgesellschaft Aktiengesellschaft. A continuous process of dry slaking lime.
- 113/Cal/89. Gullick Dobson Limited. Hydraulic power generating set. (Convention date 20th February, 1988) (U. K.).
- 114/Cal/89. Mitsui Toatsu Chemicals Incorporated. Industrial process for the separation and recovery of chlorine.
- 115/Cal/89. Nitrokemia Ipartelepek. Process for preparing N-Phosphono-Methyl-Imino-Diacetic acid.
- 116/Cal/89. Nitrokemia Ipartelepe. Process for preparing N-Phosphonomethyl-Imino-Diacetic acid and acid Chloride.
- 117/Cal/89. Lanxide Technology Company, LP. A method for Producing a protective layer on a ceramic body and a method of using a ceramic body
- 118/Cal/89. Mitutoyo Corporation. Optical Encoder.

The 9th February 1989

- 119/Cal/89. M. A. Shah & Co. A universal relay for protection of alternating current three-phase loads.
- 120/Cal/89. Niranjana Kumar Sen and Krishna Kanta Sen. Method for the preparation of a Medicinal composition for the treatment of cancer.
- 121/Cal/89. A. E. Bishop & Associates Pty. Limited. Improvements in scanning induction hardening.
- 122/Cal/89. Clarence sexton freeman. Gel Composition. (Convention date 21st June, 1988) (Canada).
- 123/Cal/89. Hans Oetiker Ag Maschinenfabrik und Apparatfabrik. Apparatus and method for automatically installing clamps.

The 13th February 1989

- 124/Cal/89. Biplov Kumar Chowdhuri. Process for the manufacture of a novel composition having fire-resistant and insulating properties.
- 125/Cal/89. Gerhard A. Worndli Recording Medium

- 126/Cal/89. Aerospatiale Societe Nationale Industrielle. Blade for high-performance shrouded propeller, multi-blade shrouded propeller provided with such blades and tail rotor arrangement with shrouded propeller for rotary wing aircraft.

- 127 Cal/89. The Glidden Company. A solvent-borne coating composition and use thereof.

The 14th February 1989

- 128/Cal/89. Otto India Private Limited and Still Otto GMBH. Process for the treatment of waste water resulting from coal pyrolysis.
- 129/Cal/89. RCA Licensing Corporation. Colour display systems. [Divisional dated 19-1-87].

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 30th January 1989

- 76/Mas/89. Thirumalai Anandampillai Vijayan. Multi-purpose solar energy converter.
- 77/Mas/89. Thirumalai Anandampillai Vijayan. An Improved Wet Grinder.
- 78/Mas/89. Thirumalai Anandampillai Vijayan. An Improved Windmill.
- 79/Mas/89. Lucas Industries Public Limited Company. Fuel Injector. (February 5, 1988; United Kingdom).
- 80/Mas/89. Air Products and Chemicals, Inc. Dispenser for dispensing cryogenic fluid. (February 29, 1988; United Kingdom).

The 31st January 1989

- 81/Mas/89. Klas Engineering Private Limited. Improved Aluminium bottles and a method of producing the same.
- 82/Mas/89. Rudolf Leis. Process and Appliance for the splitting of rock, especially marble.
- 83/Mas/89. Dieter Stephen. Process for producing blister packs and apparatus for sealing blister packs.

The 1st February 1989

- 84/Mas/89. Astra Research Centre India. A new method for the diagnosis of virulent bacteria.
- 85/Mas/89. Asea Brown Boveri Ltd. High-power GTO thyristor and also a method for its manufacture
- 86/Mas/89. Sandoz Ltd. Improvements in or relating to organic compounds (February 2 1988; England).

The 2nd February 1989

- 87/Mas/89. Vabin International S.r.l. A disposable safety syringe with hypodermic needle.

The 3rd February 1989

- 88/Mas/89. The Director. New and improved moth crushing machine.
- 89/Mas/89. Beecham Group Pl.C. Hair darkening composition. (February 4, 1988; Great Britain).
- 90/Mas/89. Albrecht Wuthrich Maschinen & Machinik AG. A plug type safety coupling, in particular for compressed air lines.

91/Mas/89. Caterpillar Inc. Corner guard system having a replaceable corner tooth. (June 7, 1988; Canada).

92/Mas, 89. Puttur Rangaswamy Srinivasan. A solid-grease lubricating pump.

93/Mas/89. Puttur Rangaswamy Srinivasan. A solid grease lubricating pump.

ALTERATION OF DATE

164428. Ante dated 5th April, 1983.
(692/Cal/86).
164452. Ante dated 31st August 1982.
(829/Del/85).
164455. Ante dated 7th April 1983.
(1110/Del/85).

OPPOSITION PROCEEDINGS

(1)

An Opposition has been entered by Methodex Infres Private Limited to grant of a patent on application No. 163220 (558/Del/85) dated 25-6-86 made by Unitek Copires Pvt. Ltd.

(2)

An application has been entered by M/s. Rath Engineering Works to grant of a patent on application No. 163239 (342/Del/85) dated 22-04-85 made by Reliance Electric Company.

(3)

The application for patent No. 154743 made by Reduler Ltd. in respect of which an opposition was entered by Maschinenfabrik Besta, as notified in the Gazette of India, Part-III, Section-2 dated 1st June, 1985 has been treated as withdrawn.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claims made by Erichen Synthesis S.P.A. under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 162821 in their name has been allowed.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The Claims made by Beehive Machinery Inc. Under Section 20(1) of the Patents Act 1970 to proceed the application for Patent No. 156848 in their name has been allowed.

PATENTS SEALED

CALCUTTA

159078 159504 161076 162342.

DELHI

156848 162573 162647 162940.

BOMBAY

158203 153035.

MADRAS

155712 158407 162562 162801 163007 163008 163009
163010 163011 163013 163014 163017 163018 163043

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that BASF LACKE & FARBEN AKTIENGESELLSCHAFT, a German Company of Am Neumarkt 30, 2000 Hamburg 70, Federal Republic of Germany has made an application on form-29 under section 57 of The Patents Act, 1970 for amendment of their application and first page of complete specification for patent No. 159989 506/Del/83 for Process for preparing an unsaturated homopolymerizable and/or copolymerizable linear polymer by way of correction in order to effect the change of name from BASF LACKE & FARBEN AKTIENGESELLSCHAFT to above name. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposition the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

Notice is hereby given that BASF LACKE & FARBEN AKTIENGESELLSCHAFT, a German Company of Am Neumarkt 30, 2000 Hamburg 70, Federal Republic of Germany has made an application on Form-29 under section 57 of The Patents Act, 1970 for amendment of their application and first page of complete specification for patent No. 159907 507/Del/83 for Process for preparing an unsaturated homopolymerizable and/or copolymerizable linear polymer by way of correction in order to effect the change of name from BASF LACKE & FARBEN AKTIENGESELLSCHAFT to above name. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposition the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(3)

Notice is hereby given that Piaggio & C. S. P. A., a Company organised under law of the Italian Republic of Via A. Cecchi, 6-Genova, Italy has made an application on form-29 under Section 57 of The Patents Act, 1970 for amendment of specification of their application for patent No. 522/Del/85 for Headlight for Motor Vehicles by way of correction in order to ascertain the invention better. The application for amendment and the proposed amendment can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005, or copies of the same can be had on payment of usual copying charges.

Any person interested in opposition the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(4)

Notice is hereby given that Rockwell International Corporation, a corporation organised under the laws of the State of Delaware, of 600 Grant Street, Pittsburgh, Pennsylvania, 15219, USA has made an application on form-29 section 57 of The Patents Act, 1970 for amendment of specification of their application for patent No. 830/Del/85 for Actuator Rod for Push-Pull Mechanisms. The amendments are by way of correction in order to ascertain the invention better. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposition the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(5)

Notice is hereby given that Exxon Research and Engineering Company, United States of America have made an application on form-29 under section 57 of The Patents Act, 1970 for amendment of specification of their application for patent No. 154509 (135/D/80) for Method of stabilizing Isoolefin polymer slurries. The amendments are by way of disclaimer so as to avoid conflict with the claims of its divisional application no. 239/D/84. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005, or copies of the same can be had on payment of usual copying charges.

Any person interested in opposition the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(6)

Notice is hereby given that the Union Steel Corporation (of South Africa) Ltd., a company incorporated under the laws of Republic of South Africa of General Hertzog Road, Three Rivers, Vereeniging, Transvaal, Republic of South Africa, has made an Application under Section 57 of the Patents Act, 1970 for amendment of the specification of their Application for Patent No. 163851 for "METHOD AND APPARATUS FOR REDUCTION OF METAL OXIDES". The amendments are by way of correction. The Application for amendments and proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendments may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

(7)

Notice is hereby given that YWHC, INC. a Corporation of the State of Delaware of 2625 Concord Pike Wilmington Delaware 19803, USA has made an application on form-29 under section 57 of The Patents Act, 1970 for amendment of specification of their application for Patent No. 160980 (942/D/84) for THERMOSTATIC STEAM TRAP by way of correction in order to effect change of name to KEYSTONE INTERNATIONAL HOLDINGS CORPORATION. The application for amendment and the

proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005, or copies of the same can be had on payment of usual copying charges.

Any person interested in opposition the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(8)

Notice is hereby given that BERGWERKSVERBAND GmbH, a German Company of Franz-Fisher-Weg 61, 4300 Ealen 13, West Germany has made an application on form-29 under section 57 of The Patents Act, 1970 for amendment of application form and specification of their application for patent No. 158883 (657/D/82) for A Device for dosing Fuels. Particularly Caking Fuels, in fluidized bed reactor. The amendments are by way of correction and explanation. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005, or copies of the same can be had on payment of usual copying charges.

Any person interested in opposition the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(9)

Notice is hereby given that Hughes Aircraft Company, a Company organised and existing under the laws of the State of Delaware, U.S.A. has made an application on form-29 under section 57 of The Patents Act, 1970 for amendment of specification of their application for patent No. 159011 (106/D/83) for Hydrazene hot gas producer. The amendments are by way of in order to reflect their new address which is 7200, Hughes Terrace, P.O. Box 4506, Los Angeles, California-90045-0066. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005, or copies of the same can be had on payment of usual copying charges.

Any person interested in opposition the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWALS FEES PAID

143519	144765	144900	145354	145390	145679	145867
146216	146601	146699	146829	147124	147307	147562
147583	147740	147937	148180	148862	149030	149073
149178	149331	149358	149431	149509	149516	149765
149905	150134	150299	150737	150796	151125	151284
151317	151322	152282	152645	152818	152953	153073
153215	153253	153280	153284	153346	153616	153739
153740	153848	153906	154059	154202	154572	154582
154605	154655	154656	154657	154705	154805	154858
154863	154879	154976	155054	155345	155580	155606
155707	155904	155945	156083	156101	156121	156280
156299	156494	156518	156618	156854	157023	157024

157038	157285	157619	157770	157798	158047	158121
158191	158211	158378	158634	158778	158780	158805
159120	159130	159150	159245	159261	159262	159263
159511	159601	159654	159655	159778	159798	159879
159912	159945	160080	160154	160242	160305	160342
160344	160495	160611	160679	160792	160796	160851
160856	160864	161095	161100	161105	161106	161109
161120	161142	161143	161259	161281	161316	161360
161398	161444	161446	161531	161589	161595	161596
161635	161685	161769	161937	161954	161958	162043
162051	162053	162137	162139	162140	162171	162173
162174	162175	162199	162223	162224	162225	162226
162233	162234	162261	162264	162274	162282	162301
162311	162312	162402	162419	162420	162421	162467
162549	162592	162612	162619	162682	162702	162703
162751	162787	162813	162841	162844		

CESSATION OF PATENTS

147031	147032	147034	147036	147037	147040	147041
147043	147045	147050	147052	147054	147055	147059
147060	147061	147063	147064	147065	147066	147068
147070	147075	147076	147078	147079	147080	147081
147082	147084	147086	147087	147091	147092	147093
147094	147095	147096	147097	147102	147103	147105
147106	147108	147112	147114	147115	147120	147122
147125	147127	147128	147129	147131	147133	147134
147135	147136	147138	147139	147140	147142	147143
147146	147147	147148	147151	147152	147153	147154
147158	147161	147163	147166	147168	147169	147170
147171	147173	147174	147176	147177	147180	147183
147184	147185	147187	147188	147190	147191	147194
147195	147196	147197	147199	147200	147201	147202
147204	147205	147208	147209	147210	147211	147212
147218	147220	147221	147226	147227	147229	147231
147232	147235	147237	147239	147240	147241	147246
147247	147248	147249	147250	147251	147252	

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160691 granted to Samarendra Kumar Sengupta for an invention relating to "improvements in or relating to reflecting road beacons".

The patent ceased on the 9-11-88 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14-1-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th, and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 18th May, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application for restoration of Patent No. 151122 dated the 25-4-80 made by Clayton ewDandrea Company Limited on the 19-4-88 and notified in the Gazette of India, Part III, Section 2 dated the 20-8-88 has been allowed and the said Patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 157522 dated the 7-1-82 made by Ghanshyam Dass Agarwal on the 3rd December 87 and notified in the Gazette of India, Part III, Section 2 dated the 21-5-88 has been allowed and the said Patent restored.

(4)

Notice is hereby given that an application for restoration of Patent No. 157202 dated the 7-1-82 made by Binny Limited on the 5-5-88 and notified in the Gazette of India, Part III, Section 2 dated the 1-10-88 has been allowed and the said Patent restored.

(5)

Notice is hereby given that an application for restoration of Patent No. 119941 dated the 2-6-78 made by Pre-formed Line Products Company on the 7-4-88 and notified in the Gazette of India, Part III, Section 2 dated the 20-8-88 has been allowed and the said Patent restored.

(6)

Notice is hereby given that an application for restoration of Patent No. 157032 dated the 4th April 1983 made by Nozer Kerman Desai on the 24-5-88 and notified in the Gazette of India, Part III, Section 2 dated the 1-10-88 has been allowed and the said Patent restored.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158762 granted to Prabhdas Jannadas Vora and Nagindas Jannadas Vora for an invention relating to "an improved plate type oil cooler for an engine or a like machine".

The patent ceased on the 19-4-88 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 13-8-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th, and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 18th May, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 159700 granted to Dennison Manufacturing Company for an invention relating to "method of manufacturing an assemblage of fasteners." The Patent ceased on the 23-6-88 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14-1-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th, and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 18th May, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 159906 granted to Chief Controller Research & Development for an invention relating to "improvements in and relating to a vinyl based varnish and a process for the preparation thereof".

The patent ceased on the 30-9-1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14-1-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th, and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 18th May, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(10)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153883 granted to B & W Diesel A/S and now MAN B & W Diesel A/S for an invention relating to "a method of manufacturing a crank arm for a welded crankshaft and an equipment for carrying out the method."

The patent ceased on the 13-12-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14-1-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th, and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 18th May, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(11)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160020 granted to SPBP Tea Industries Pvt. Ltd., for an invention relating to "a closure-cum-dispenser for bottles containers and the like".

The patent ceased on the 16-9-88 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14-1-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th, and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 18th May, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(12)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160021 granted to SPBP Tea Industries Pvt. Ltd., for an invention relating to "a closure for a container, bottle or the like".

The patent ceased on the 16-9-1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14-1-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th, and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 18th May, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the

opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(13)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 159904 granted to Chief Controller Research & Development for an invention relating to "a process for the preparation of a chloroprene based primer."

The patent ceased on the 30-9-88 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14-1-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th, and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 18th May, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(14)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 161024 granted to Amar Prasad Banerjee for an invention relating to "a device and a process for the recovery of the bye-products from beehive coke ovens".

The patent ceased on the 11-11-1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14-1-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th, and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 18th May, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class 1. No. 160035. A. K. Sood Trading as Sumech engineers D-79, Okhla Industrial Area, Phase-I, New Delhi, India. "Bag Closing Machine". 17th August, 1988.
- Class 1. No. 160109. R. S. Lock Enterprises, Turkman Gate, Aligarh-200001 U. P. (India). "Locks". 13th September, 1988.
- Class 1. No. 160326. Surendra Pal. M/s. Neeraj Marketing Co. 800/12 Shora Kothi, Clock Tower Subzi Mandi Delhi-110 007 (India) Indian National. "Heat Convector". 26th October, 1988.
- Class 3. No. 159997. Hair Remover Ltd., an Israeli Corporation, of 292 Dizengoff Street, Tel Aviv, Israel. "a Device for Removing Hair". 28th July, 1988.

Class 3. No. 160112. Jyoti Industries of Cama Lane, Karol Road, Kamal Kunj, Ghatkopar, Bombay-400 086 Maharashtra State, India, a Partnership firm registered under Partnership Act. "Stappling Machine (Metal)", 15th September, 1988

Class 3. Nos. 160536 & 160537. Gold Coin Plastics, Podar, Bhavan, Parekh Lane, Kandiwal (West), Bombay-400067 State of Maharashtra, India, an Indian Partnership firm. "Lunch Pack", 12th December, 1988.

Class 5. Nos. 159993 to 159996. AB Akerlund & Rausing, a Swedish joint-stock Company, of P.O. Box 22,221 00 Lund, Sweden. "a Package", 28th July, 1988.

Class 12. Nos. 160254 & 160255. Glaxo Group Limited, a British Company, of Clarges House, 6/12 Clarges Street, London W1Y 8DH, England. "a Tablet". Reciprocity date is 26th April, 1988 (U.K.).

Extn. of Copyright for the second period of five years.

Nos. 152392, 155615, 155580, 155581, 155582, 155099, 154006, 152222, 152217, 153663, 153590. Class-I.

Nos. 167078, 167106, 167077, 167324, 167375, 167135, 157133, 159072, 152393, 154067, 155075, 155550, 152877, 153689, 153582, 153609, 153610. Class-3.

No. 157210. Class-4.

Nos. 153682, 153681. Class-12.

Extn. of Copyright for the Third period of five years.
Nos. 154006, 153590. Class-1.

Nos. 167078, 157106, 157077, 147760, 151081, 157324, 157375, 157135, 157133, 159072, 154067. Class-3.

No. 157210. Class-4.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Re. 4/-.

CLASS : 84 B.

164411

Int. Cl. : C 102 1/02.

A PROCESS FOR THE PRODUCTION OF STABILIZED COAL-WATER SLURRY USEFUL AS SUBSTITUTE FOR PETROLEUM BASED FUEL OIL.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : EARUN KUMAR MALI & RANENDRA NATH PAUL.

Application for Patent No. 104/Del/85 filed on 7th February, 1985.

Complete Specification left on 21st February, 1986.

Appropriate office for opposition proceedings (Rule 4, Paten Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for the production of stabilized coal water slurry useful as a substitute for petroleum based fuel oil which comprises reducing by known methods the particle size of a carbonaceous material to below 1 mm diameter at ambient or to the boiling temperature of water mixing the material with water, to form a suspension, adding a solution of stabilizers such as herein described in an organic solvent or water, the amount of stabilizer ranging from 0.001 to 25% by wt. of the carbonaceous material and water and finally mixing to form the slurry.

Compl. specn. 6 pages.

Drw. 1 sheet

Provisional Specification 6 pages.

Int. Cl. : C 08 F 228/02.

164412

A PROCESS FOR PREPARING A LIQUID CO-POLYMER.

Applicant : THIOKOL CHEMICALS, LTD. A CORPORATION OF THE UNITED KINGDOM, OF STATION TOWER, STATION SQUARE, COVENTRY CV1 2GN, UNITED KINGDOM.

Inventors : TIMOTHY CHARLES PHILIP REE AND THOMAS MORIAIS REES

Application No. 564/Del/85 filed on 17th July, 1985. Convention date 26-07-84 & 09-07-85/8419036 & 8517361 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Paten Rules 1972) Patent Office Branch, New Delhi-110 005.

15 Claims

A Process for preparing a liquid co-polymer having a stable viscosity prior to curing, which comprises reacting in a manner such as herein described an epoxy-terminated polymer having at least two epoxy groups per molecule of said polymer with a mercaptan-terminated polymer having at least two mercaptan groups per molecule of said polymer, one of said polymers being in stoichiometric excess whereby the final product has free epoxy or mercaptan groups.

Compl specn. 65 pages.

Int. Cl.⁴ : F 41 G 1/00, 5/00, 11/00.

164413

OPTICAL PATH LINE-OF-SIGHT STABILIZATION APPARATUS FOR VIEWING A TARGET.

Applicant : HUGHES AIRCRAFT COMPANY, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 7200 HUGHES TERRACE, P.O. BOX 45066, LOS ANGELES, CALIFORNIA 90045-0066 FORMERLY HAVING A PRINCIPAL PLACE OF BUSINESS AT 200 NORTH SEPULVEDA BOULEVARD, EL SEGUNDO, CALIFORNIA 90245, UNITED STATES OF AMERICA.

Inventors : ROBERT DALE SCHAEFFER AND PAUL CHARLES KUNKE.

Application for Patent No. 595/Del/85 filed on 24th July 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

An optical path line-of-sight stabilization apparatus for viewing a target comprising :

- a housing;
- means defining a first optical path and its line-of-sight and having first means secured to said housing for sighting the target and containing information thereof and second means secured to said housing for detecting the target information;
- means defining a second optical path having an inertially stabilized element secured to said housing and a reflective surface, and a source secured to said housing for providing a beam of electromagnetic energy which is directed to and reflected from said reflective surface of said inertially stabilized element;
- an adjustable beam steering mirror having first and second reflective surfaces respectively positioned in the first and second optical paths respectively between said first and second means of said first optical path means and between said source and said inertially stabilized element, said mirror first reflective surface reflecting electromagnetic energy between the target and said second means and said mirror second reflective surface directing the electromagnetic energy beam to and reflecting the electromagnetic energy beam from said inertially stabilized element; and
- adjusting means coupled to said adjustable beam steering mirror and having an angle detector secured to said housing and positioned to receive the electromagnetic energy beam from said source and reflected from said reflective surface of said inertially stabilized element for responding to changes in position of said inertially stabilized element and for producing an error signal for driving said adjustable beam steering mirror and thereby for enabling substantially normal reflection and stabilization of the beam from said element reflective surface.

Compl. specn. 20 pages.

Drg. 1 sheet

Int. Cl.⁴ : F 04 F 21/02, B 44 D5/00.

164414

PROCESS FOR PRODUCING COATING COMPOSITIONS.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC, A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors : CHARLES WILLIAM ALFRED BROMLEY & JONATHAN ALBERT GRAYSTONE.

Application for Patent No. 607/Del/85 filed on 30th July, 1985.

Convention date August 6, 1984/8420005/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for producing a coating composition by polymerisation of acrylic or vinyl monomers of the kind such as herein described, which have been cross-linked by inclusion in said monomers of either a di-functional or poly-functional monomers selected from allyl methacrylate, trimethylolpropanetriacrylate, diallylthallate and the diacrylate of bisphenol A, or of a pair of monomers which are mutually co-reactive and are glycidyl acrylate of methacrylate and acrylic or methacrylic acid, in a volatile organic liquid of the kind as herein described and in the presence of an amphipathic polymeric stabiliser of the kind such as herein described to produce a sterically stabilised dispersion of acrylic or vinyl polymer particles which are insoluble in that liquid and have an average diameter in the range 0.1 to 10 micrometers, the polymer having an extensibility as determined by the procedure of ASTM D-2370/68 in the range 50 to 2,000%, and being cross-linked to an extent such that this disperse phase has a gel content of at least 35% by weight, and the composition so formed contains at least 51 weight percent (based on the weight of composition) of insoluble film forming material.

Compl. specn. 29 pages

Int. Cl.⁴ : B 41 M 5/00; 5/26.

164415

A PROCESS FOR PREPARING TRANSPARENT SHEETS FOR DOCUMENT COPYING PURPOSES AND THE TRANSPARENT SHEETS SO PREPARED.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : PRAMOD KUMAR GUPTA, VASANTHA RAMAN AND RAHUL KUMAR.

Application for Patent No. 612/Del/85 filed on 31st July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

A process for preparing transparent sheets for document copying purposes comprises coating a base paper or plastic sheet with a heat sensitive composition comprising 40—60% of metal soap such as herein described 15—30% of an organic reducing agent such as herein described and the balance being a binder therefor such as herein described.

Compl. specn. 12 pages.

Drg. 1 sheet

Int. Cl.⁴ : B 01 J - 21/02; 23/10.

164416

A PROCESS FOR THE PREPARATION OF NOVEL LANTHANUM IRON SILICATES DESIGNATED AS ENCILITES-2

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

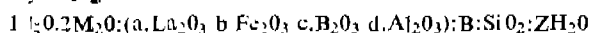
Inventors : RATNASAMY PAUL, KULKARNI SUNEETA BALWANT, SHIRALKAR VASUDEV PANDURANG, KOTASTHANE ARVIND NARAYAN, CHANDWADKAR ASHA JIVAN.

Application for Patent No. 632/Del/85 filed on 2nd August, 1985.

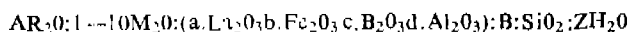
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

1. A process for the preparation of crystalline lanthanum iron silicates represented in term of mole ratio of oxides by the general formula as under :



wherein M is a monovalent cation selected from the group of hydrogen, alkali metal, and ammonium $a > 0$, $b > 0$, $c > 0$, $d > 0$, $a + b + c + d = 1$, B is from 10 to 200 and Z is from 0—20 which comprises reacting together aqueous solution of a silicate, tetraalkylammonium compound, lanthanum salt, ferric salt, and optionally a salt of aluminium and/or a compound of boron and dilute sulphuric acid to obtain a fine gel represented in terms of mole ratio of oxides by the general formula :



wherein R is R^1 , R^2 , R^3 and R^4 being same or different alkyl groups containing 2—4 carbon atoms, value of x and y varying between 1 and 3, which may or may not be same but the sum of x and y is always 4, and A is form 1 to 20, M is a monovalent cation selected from the group hydrogen, alkali metal and ammonium ion, $a > 0$, $b > 0$, $c > 0$, $d > 0$, $a + b + c + d = 1$, B is from 10 to 200, Z is from 100 to 1000, heating the gel in a closed autoclave at 100 to 200°C filtering, drying and calcining the resulting material to obtain alkali metal form of the said crystalline lanthanum iron silicate, subjecting the alkali metal form of the lanthanum iron silicate so obtained to ion exchange process with an ammonium salt to get the ammonium form thereof and subjecting the resultant product to calcining at a temperature above 500°C.

2. The product of the invention having catalytic properties in reaction such as the conversion of alkanol to hydrocarbons or rearrangement of aromatic molecules.

Compl. specn. 23 pages.

Int. Cl.⁴ : C 08 F 14/06.

164417

A PROCESS FOR THE POLYMERIZATION OF VINYL CHLORIDE.

Applicant : DCM LIMITED, AN INDIAN COMPANY OF KANCHANJUNGA BUILDING, BARAKHAMBA ROAD, NEW DELHI-110 001, INDIA.

Inventors : VED PRAKASH MALHOTRA, VIRENDER KUMAR TANDON, UPENDER KRISHAN SAROOP, RAJINDER KUMAR DIWAN, MAHESH KUMAR BEHL.

Application for Patent No. 681/Del/85 filed on 20th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

1. A process for the polymerization of vinyl chloride which comprises in charging a reaction vessel with water, a suspending agent as herein described, catalyst consisting of diethyl peroxy dicarbonate, and additives as herein described evacuating said reacting vessel or an and then introducing 2—507 GI/88

the vinyl chloride to allow a polymerization of said monomer for a period of 6 to 10 hours, said catalyst being present in the amount of 0.01 to 0.5% by weight based on the weight of the vinyl chloride, said suspending agent being present in the amount of .02 to .05 by weight of vinyl chloride.

Compl. specn. 7 pages.

Int. Cl.⁴ : C 22 B 9/02.

164418

METHOD OF REFINING MOLTEN METAL AND APPARATUS FOR CARRYING OUT THE METHOD.

Applicant : BELORUSSKY TEKHNOLOGICHESKY INSTITUT IMENI S.M. KIROVA, OF ULITSY SVERDLOVA, 13A, MOSCOW, U.S.S.R., A USSR TECHNOLOGICAL INSTITUTE.

Inventors : PARFENOV LEONID IVANOVICH., PODOINIKOV VIKTOR PETROVICH, SVIDUNOVICH NIKOLAI ALEXANDROVICH, VOLKOV VIKTOR NIKOLAEVICH, BURENKOV SERGEI ALEXANDROVICH, GAROST ALEXANDR IVANOVICH, LITVINOV VLADIMIR KUZMICH, SOROKIN GENNADY ALEXEFVICH & VASHKEVICH VLADIMIR VYACHESLAVOVICH.

Application for Patent No. 807/Del/85 filed on 3rd October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A method of refining molten metal such as herein described comprising generating a low-temperature plasma jet by passing a plasma-forming agent of the kind such as herein described through an arc and delivering said low temperature plasma jet to said molten metal characterised in that said low temperature plasma jet is passed inside the bulk of said molten metal on the side of the molten metal at a speed of about 1500 m/s for stirring the molten metal, additions such as herein described alongwith said plasma jet being passed into the molten metal, creating a highly developed surface at the molten metal-slag-gas interface by delivery of said low-temperature plasma jet and additions inside the molten metal whereby heat and mass exchange are substantially intensified insuring refinement of the whole bulk of molten metal.

Compl. specn. 25 pages.

Drgs. 2 sheets

Int. Cl.⁴ : H 01 L 21/24.

164419

A METHOD OF FABRICATING A FLUORINATED, P-DOPED MICROCRYSTALLINE SILICON-BASED SEMI-CONDUCTOR ALLOY.

Applicant : SOVONICS SOLAR SYSTEMS, A PARTNERSHIP FORMED PURSUANT TO THE LAWS OF THE STATE OF MICHIGAN AND HAVING A PLACE OF BUSINESS AT 6180 COCHRAN ROAD, SOLON, OHIO 44139, UNITED STATES OF AMERICA, AND CONSTITUTED BY AND BETWEEN SOHIO COMMERCIAL DEVELOPMENT COMPANY, A DELAWARE CORPORATION, WHOLLY OWNED BY THE STANDARD OIL COMPANY AN OHIO CORPORATION HAVING A REGISTERED OFFICE OF BUSINESS AT THE MIDLAND BUILDING, CLEVELAND OHIO 44115 AND ENERGY CONVERSION DEVICES, INC. A DELAWARE CORPORATION, HAVING A REGISTERED OFFICE AT 1675 WEST MAPLE ROAD, TROY, MICHIGAN 48064.

Inventors : SUBHENDU GUHA, JAMES KULMAN AND STANFORD ROBERT OVSHINSKY.

Application for Patent No. 847/Del/85 filed on 11th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

4 Claims

A method of fabricating a fluorinated, p-doped microcrystalline silicon-based semiconductor alloy comprising depositing on a substrate of amorphous semiconductor alloy material a semiconductor alloy film by establishing a glow discharge in a gaseous mixture containing greater than zero percent and less than one percent of a semiconductor precursor gas as herein described which includes silicon, less than one percent but greater than zero percent of a dopant precursor gas as herein described which includes boron, and between 90 and 98 percent of a diluent gas which is hydrogen or hydrogen in combination with other inert gases, at least one of said gases including fluorine.

Compl. specn. 22 pages.

Drgs. 3 sheets

Int. Cl.⁴ : B 23 K 11/20, 11/32.

164420

A GLASS COATED ARTICLE COMPRISING DISSIMILAR METALS JOINED TOGETHER.

Applicant : KENNECOTT MINING CORPORATION, FORMERLY KNOWN AS KENNECOTT CORPORATION, A NEW YORK CORPORATION, HAVING A CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA, PLACE OF BUSINESS AT 101 PROSPECT AVENUE, RICA.

Inventor : HEINZ SCHARBACH.

Application for Patent No. 928/Del/85 filed on 6th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A glass coated article of the kind described which comprises a substrate composed of two elements of dissimilar metal composition bonded together through the medium of a welded joint and a fused glass coating over at least part of said bonded substrate including said welded joint, said substrate comprising :

a first element of a given composition of metal at least one end face of which is adapted to be contacted by said welded joint;

a second element of a composition of metal dissimilar to that of said first element at least one end face of which is adapted to be contacted by said welded joint, said end face being constituted by a bevel; and

means constituting said welded joint intermediate said first and second elements, said means comprising at least one welding insert one face of which is formed as a flat plane smooth surface and the face opposite to said one face is formed with a bevel, said flat plane smooth surface of said insert contacting an equivalent flat plane smooth surface on one end face of said first element when the composition of said insert is similar to that of said second element but different from that of said first element or contacting an equivalent flat plane smooth surface on a further insert disposed adjacent said first insert when the composition of said first insert is similar to that of said first element but different to that of said second element and said further insert, said contacting flat plane smooth surface being welded together without substantial intermingling of the dissimilar metals thereof, the bevel on the

opposite end face or faces of said insert or inserts forming with the bevel on the end face of said first and second elements grooves or gaps adapted to be filled with welding filler metal for welding said first and/or second element to said insert or inserts, said welding being between components of similar metal composition.

Compl. specn. 17 pages.

Drg. 1 sheet

CLASS : 172.

164421

Int. Cl. : D 01 d 5/00; D 01 d 7/00.

METHOD AND APPARATUS FOR THE MANUFACTURE OF MINERAL FIBERS.

Applicant : ISOVER SAINT-GOBAIN, OF "LES MIROIRS", 18 AVENUE D'ALSACE, F-92400, COURBEVOIE, FRANCE.

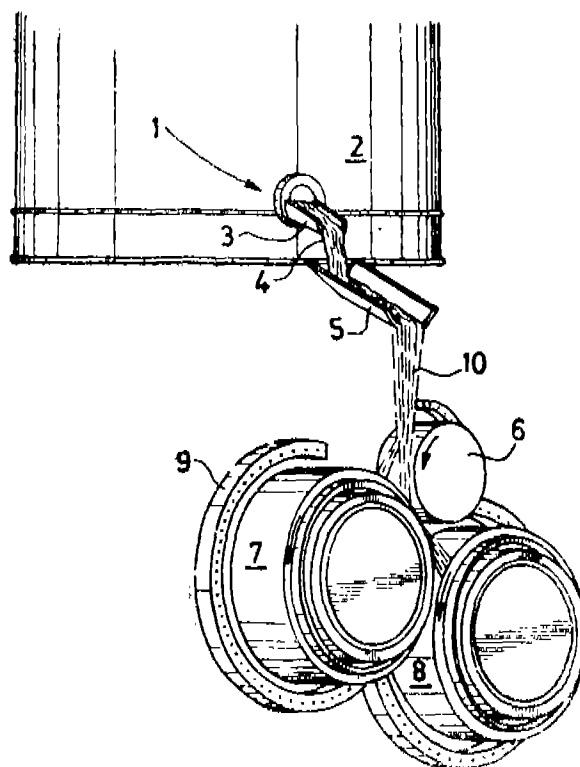
Inventors : 1. ALAIN DEBOUZIE, 2. DANIEL SAINTE-FOI.

Application No. 724/Cal/85 filed October 14, 1985.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A method of manufacture of mineral fibers by continuously supplying drawable material from a cupola to a fibre producing apparatus characterised in that the continuous supply of the drawable material to said apparatus is regulated by forming a reserve of said material in the path of the material from the cupola to said apparatus, said reserve having a free or un-enclosed surface, the dimensions of the reserve and the free surface being such that in spite of variations in the rate of flow of said material from the cupola, variations in the flow of the material emerging from the reserve do not exceed 4% and are preferable less than 2% of the mean rate of flow of the material.



Compl. specn. 24 pages.

Drgs. 3 sheets

CLASS : 160A; 134B & D; 135; 240, & F. 164422

Int. Cl. : B 60 t 7/00, 13/00.

AUTOMATIC CONTROL CIRCUIT FOR BRAKE CONTROL DEVICES USED IN CARS.

Applicant : KIA MOTORS CORPORATION OF 514-5, SIHUNG-DONG, GURO-KU, SEOUL, SOUTH KOREA.

Inventor : JUNG YONG HA.

Application No. 803/Cal/85 filed November 8, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An automatic control circuit for a brake control device comprising :

- a hydraulic brake control device for braking a vehicle in response to a hydraulic pressure therein;
- a brake switch, coupled to the brake control device, for detecting a first prescribed hydraulic pressure in the brake control device and for flowing a current in response thereto;
- means, responsive to the current from the brake switch, for maintaining a hydraulic pressure in an oil path in the brake control device and for maintaining a brake to the vehicle when the vehicle is stopped;
- means, coupled to the brake control device, for releasing the hydraulic pressure maintained in the oil path;
- means for accelerating a vehicle; and
- means, coupled to the accelerating means, the pressure maintaining means, and the pressure releasing means, and responsive to the accelerating means, for releasing the hydraulic pressure maintained in the oil path upon vehicle acceleration.

Compl. specn. 16 pages. Drgs. 7 sheets

CLASS : 9C₁ 164423

Cl. : G 02 b 27/30.

AN OPTICAL SIGHTING DEVICE.

Applicant : VIJAY PAUL, OF 24 MANDEVILLE GARDENS, FLAT NO. B/2/7, CALCUTTA-700 017, WEST BENGAL, INDIA.

Inventor : VIJAY PAUL.

Application No. 41/Cal/86 filed January 21, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An optical sighting device being a collimator gun sight comprises :

- an elongate main body portion arranged so that the line of sight extends parallel to the length of the body portion;
- a major portion of one end surface of the main body portion being planar and perpendicular to the line of sight to form the proximal one of said pair of faces and a minor portion of said one end surface being angularly disposed and forming mirror means, the other end surface of the main body portion extending in a plane parallel to said mirror portion or said one

end, and a lens doublet forming a concave surface defining means and comprising of plano-convex and plano-concave lenses having identical curved faces cemented together to define the partially reflecting surface, the plane face of the plano-convex lens doublet being cemented to said other end surface of the main body portion and the outer plane face of the plano-concave lens being parallel to the major portion of said one end surface of the main body portion to constitute the distal one of the pair of faces, a graticule pattern located off the line of sight through the device and a window admitting light from the outside to illuminate the said graticule pattern which located adjacent said distal plane so that a parallel free virtual image of the said pattern forming a reference mark is visible on reflection by the said concave reflecting surface superimposed on the object viewed along the line of sight.

Compl. specn. 15 pages.

Drgs. 2 sheets

CLASS :

164424

Int. Cl. : B 67 b 1/00, 3/00, 7/00, 7/40.

A CLOSURE FOR A CONTAINER BODY AND THE SAID CLOSURE AND A CONTAINER BODY ASSEMBLY.

Applicant : JOHNSON & JORGENSEN (PLASTICS) LIMITED, OF GRINSTEAD ROAD, LONDON SE8 5AB, ENGLAND.

Inventor : KEVIN WILLIAM MCLAREN.

Application No. 167/Cal/86 filed March 6, 1986.

Convention dated 15th October, 1985 (No. 8525351; U. K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A closure for a container body having a mouth and an external annular or substantially annular projecting bead around the outside of the container body below the mouth and in which the closure (1) comprises a cap part (2) with depending skirt (4) and a safety band (3) connected to the skirt by diametrically opposed frangible nibs (5) and provided with at least one pair of relatively long diametrically opposed lugs (7) of sharp profile projecting inwardly from the band (3) characterised in that the safety band (3) is also provided with two pairs of diametrically opposed relatively short rounded lugs (6) projecting inwardly from the band (3) and further characterised in that the nibs (5) are arranged symmetrically around the band (3) in two or three diametrically opposed pairs spaced apart by 180° or by 120° the arrangement being such that the inwardly projecting lugs (6, 7) cooperate with the projecting bead on the container body to prevent initial removal of the cap part (2) from the container body until the frangible nibs (5) connecting the skirt (4) of the cap part (2) to the safety band have been broken, irrespective of the position at which the cap part (2) is held during unscrewing, openings (11) being provided in the band (3) through which moulding side cores may project during moulding so that on withdrawal of the moulding side cores a moulded closure can simply be pushed off the main side central core pin.

Compl. specn. 10 pages.

Drgs. 4 sheets

CLASS : 143 D₄

164425

Int. Cl. : B 65 b 1/00.

FOLT HAVING TWO ESSENTIALLY PLANE PARALLEL SURFACES, AT LEAST ONE OF WHICH HAS A METALLIC LAYER COVERED BY AN ANTIFRICTION FILM AND A METHOD FOR MANUFACTURING SAME.

Applicant : HELMUTH SCHMOOCK, OF BUCHENER WEG 121, 2058 LAUENBURG/ELBE, WEST GERMANY.

Inventor : HELMUTH SCHMOOCK.

Application No. 187/Cal/86 filed March 12, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

47 Claims

Foil having two essentially plane parallel surfaces of which at least one is at least partially covered by a metallic layer, characterized in that the metallic surface (7) of the metallic layer (5) is protected by an antifriction film (2), said foil optionally having on the surface (3) opposite the metal coated surface (4), said antifriction film (2) to provide a roll.

Compl. specn. 21 pages.

Drgs. 2 sheets

CLASS :

164426

Int. Cl. : B 66 d 1/48; G 01 I.

IMPROVEMENT IN A DEVICE FOR MEASURING LOADS IN TENSION.

Applicant : TRACTOR TIRFOR INDIA PRIVATE LIMITED, 15, GANESH CHANDRA AVENUE, CALCUTTA-700013, WEST BENGAL, INDIA.

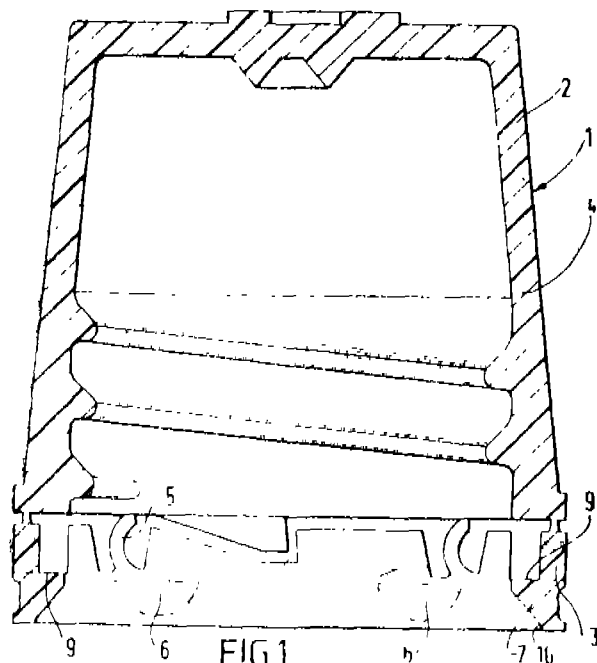
Inventor : DR. PRADIP KUMAR CHAKRAVARTY.

Application No. 446/Cal/86 filed June 17, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office, Calcutta.

3 Claims

Improvement in a device for measuring loads in tension comprising a solid oblong rectangular load measuring element with two holes at its two ends to receive Dee Shackles for attachment of the load and the pulling device or an anchor and the said solid element is provided with a rectangular through hole at the centre constituting two uniform sides to provide uniform deformation of the said hole under load and the sides are mounted with four strain gauges of wheat stone bridge the from and back covers covering the rectangular centre hole are mounted with electronic measuring device and a source of power which is usually a battery.



Compl. specn. 8 pages.

Drgs. 3 sheets

CLASS : 29-A.

164427

Int. Cl. : G 06 f 3/00.

INTERFACE CIRCUITRY FOR COMMUNICATING BY MEANS OF MESSAGES.

Applicant : ATEA, OF ATEALAAN, INDUSTRIEPARK KLEIN GENT, B-2410 HERENTALS, BELGIUM.

Inventor : GUIDO REMI MARCEL GALLOPIN.

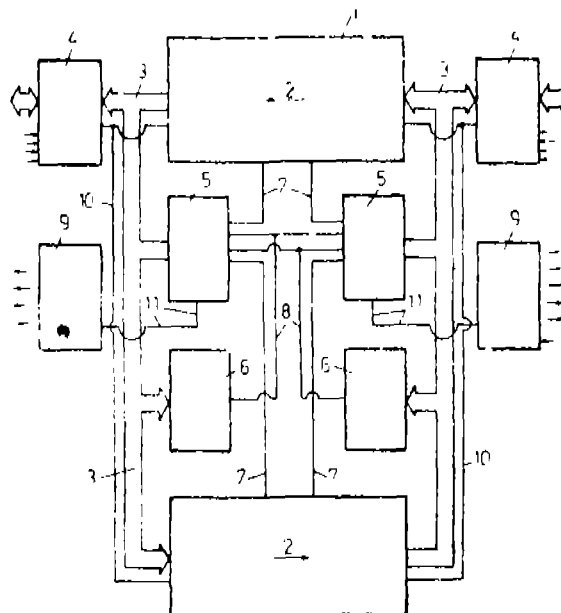
Application No. 564/Cal/86 filed July 25, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Interface circuitry for communicating by means of messages, between two processors, which circuitry comprises besides input/output circuits (4) a buffer circuit (1) of first-in, first-out type for the messages, characterized in that it comprises :

- two buffer circuits (1) of first-in, first-out type which are connected anti-parallel to one another and form together a bidirectional buffer for the messages, which buffer can be linked through the input/output circuits (4) with both processors, which buffer circuits (1) each comprise :
 - a static RAM (12) with dual access which allows asynchronous reading of the addresses thereof and writing in the addresses thereof;
 - two counters, namely a write counter (13) and a read counter (14), which follow-up the addresses from the memory (12);
 - a comparator (16) which compares the address given by the read counter (14) to the address given by the write counter (13); and
 - a detector (18) which is connected to the comparator (16) and to the input of the counters (13 & 14) and shows whether the memory is full or empty,
- two status registers (5) which are coupled to both buffer circuits (1) and have the following bit functions : message available or not, message received or not, buffer circuit full or not, and buffer circuit empty or not,
- two command registers (6) which are coupled to both buffer circuits (1) and to both status registers (5) and have the following bit functions : message available or not, and message received or not,
- and
- two interrupt circuits (9) which are connected to the buffer circuits (1) for controlling both processors according to the status of the corresponding buffer circuit (1).



Compl. specn. 14 pages.

Drgs. 2 sheets

CLASS : 179 F. G.
Int. Cl. : B 65 d 47/00.

164428

1 Claims

DISPENSING CAP FOR USE WITH PRESSURIZED CONTAINERS.

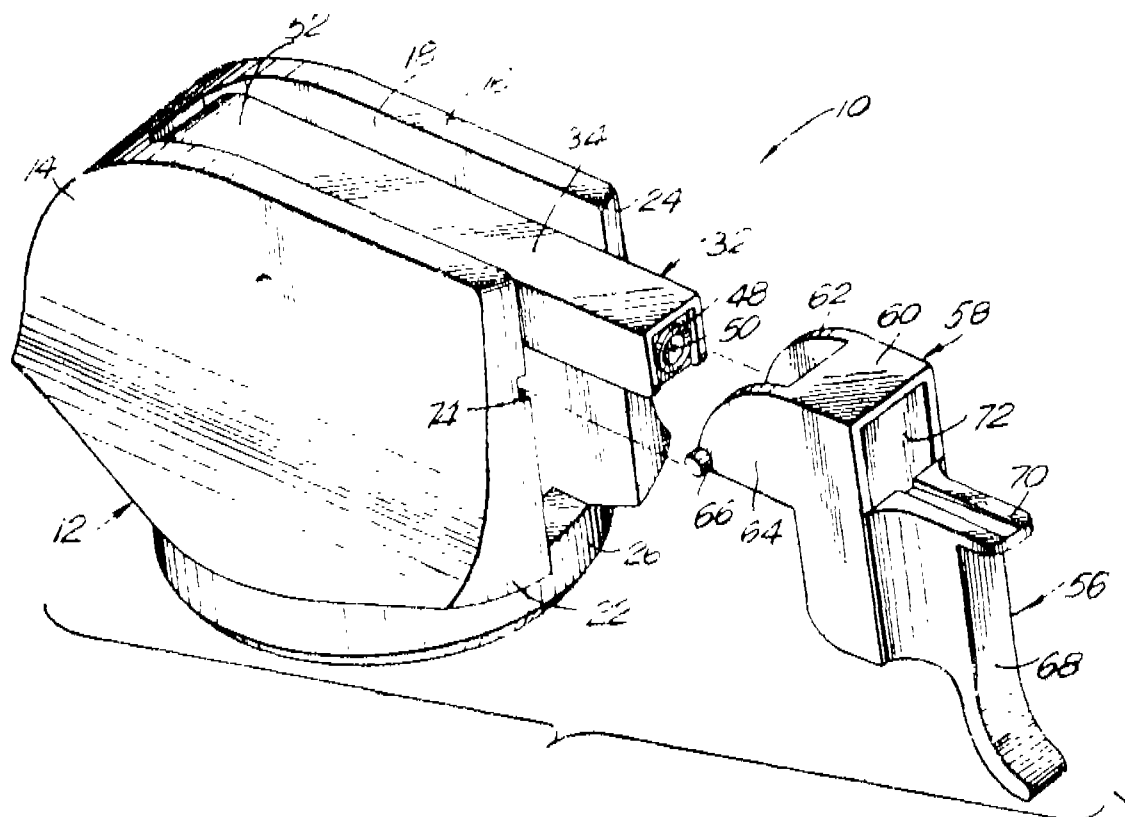
Applicant : ROBERT HENRY ABPLANALP, OF 10 HEWETT AVENUE, BRONXVILLE, WESTCHESTER COUNTY, NEW YORK, (U.S.A.).

Inventor : ROBERT HENRY.

Application No. 692/Cal/86 filed September 19, 1986.

Division of application No. 399/Cal/83 dated 5th April, 1983.

An improved trigger actuated dispensing cap adapted for use with a pressurized container having a valved closing, comprising a housing, actuator and trigger member for actuating the valve, the improvement comprising a grooved catch plate disposed outwardly of and proximate to the discharge orifice of the actuator, the groove of said plate communicating with the interior of the cap housing.



Compl. specn. 8 pages.

Drgs. 3 sheets

CLASS :
Int. Cl. : C 02 f 11/06.

164429

APPARATUS FOR PURIFYING WASTE WATER.

Applicant : DNEPRODZERZHINSKY INDUSTRIALNY INSTITUT IMENI M. I. ARSENICHEVA, OF DNEPRODZERZHINSK. ULITSА DNEPROSTROEVSKAYA, 2, USSR.

Inventors : 1. NIKOLAI MARKOVICH ANDRIENKO, 2. NATALYA STEPANOVNA DRYSHLJUK, 3. RAISA IVANOVNA PRIKHODKO, 4. TAMARA IVANOVNA SOLENAYA, 5. ANATOLY FEDOROVICH KOVALEV, 6. ANNA YAKOVLEVNA ANDRIENKO, 7. ANATOLY PETROVICH BODYANJUK, 8. PAVEL PAVLOVICH CHIRVA 9. ELENA NIKOLAEVNA FOMENKO.

Application No. 706/Cal/1986 filed September 24, 1986.
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An apparatus for purifying waste water comprising :

a tank to receive the waste water communicating with a pump, which in turn communicates with a heater connected to an inlet of an oxidation column;

an outlet of which column communicates with a heat exchanger;

the oxidation column having a gas inlet to feed gas, and a gas outlet connected to a separator, characterized

CLASS : 164430

Int. Cl. : F 16 g 1/00, 3/00.

VARIABLE SPEED, MULTI-MOTOR CONVEYOR DRIVE SYSTEM.

Applicant : ELETCHER SUTCLIFFE WILD LIMITED,
OF UNIVERSAL WORKS, HORBURY, WAKFIELD WF
4 5HR, ENGLAND.

Inventor : LEWIS ROBERT BARNES BOWER.

Application No. 106/Cal/87 filed February 5, 1987.

Convention dated 5th February, 1986 (8602846) U. K.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A variable speed, multi-motor conveyor drive system, comprising :

- a master rotary member of the conveyor;
- a variable speed master drive unit to drive the master rotary member;

at least one slave rotary member of the conveyor, a variable speed slave drive unit to drive each of the slave rotary members;

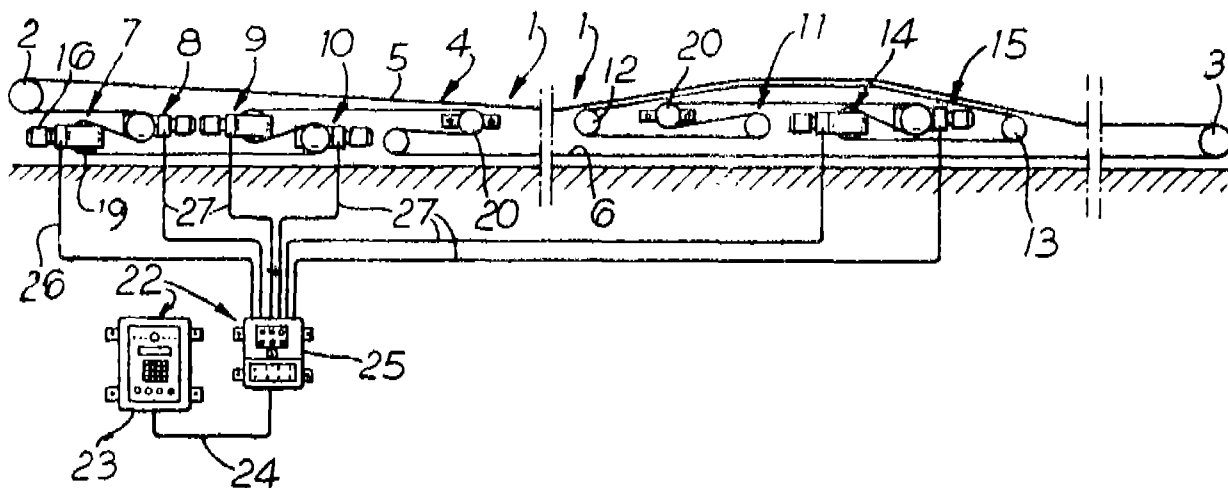
each of the master and slave drive units comprising an electric motor, a drive transmission incorporating a torque converter preceded by a modulated wet clutch, the latter having an engagement-control hydraulic circuit as well as a lubrication circuit, and a speed reduction gearbox having an output shaft to drive an associated one of the rotary members of the conveyor involved;

a monitor and variable speed and variable powered control unit;

a control loop from the master drive unit to the monitor and control unit;

a multiplexer with a master outlet for the master drive unit and a slave outlet for the or each slave drive unit;

the master multiplexer outlet being connected to the master drive unit to form a part of the control loop whereby all motors share the load at a pre-programme level at any speed of operation, and the or each slave multiplexer outlet having an individually adjustable and programmable time delay means operable both before start-up and during running of the conveyor.



Compl. specn. 12 pages.

Drg. 1 sheet

Int. Class⁴ : B65G 53/52.

164431

(Claims—2)

Title : Pipe lines including pipe bends connected thereto, for pneumatic and/or slurry transport of abrasive materials.

Applicant : BHARAT Heavy Electricals Limited, Indian Company of 18-20 Kasturba Gandhi Marg, New Delhi-110001.

Inventor : Chetlur Rangachari Raju.

Application for Patent No. 308/Del/85 filed on 15th April, 1985.

Appropriate office for opposition proceedings (Rule 4, patents Rules, 1972) Patent Office Branch, New Delhi-110005.

A pipe line including pipe bends connected thereto for pneumatic and/or slurry transport of abrasive materials such as pulverised coal, comprising cast segments of an $Al_2O_3-ZrO_2-SiO_2$ ceramic material which has the following composition:—

Al_2O_3	48.0	to	55.0%	by weight
ZrO_2	30.0	to	35.0%	by weight
SiO_2	12.0	to	15.0%	by weight, and
Na_2O	1.0	to	1.5%	by weight

disposed and secured together within a mild steel pipe which is also in the form of segments secured together.

(COMPLETE SPECIFICATION PAGES—11.

DRAWING SHEETS-4).

Int. Cl.⁴ F 25 B 13/00.

164432

REFRIGERATION CIRCUIT.

Applicant : SANDEN CORPORATION, OF 20 KOTO-BUKI-CHO, ISHIZAKI-SHI, GUNMA, JAPAN, A CORPORATION ORGANISED UNDER THE LAWS OF JAPAN.

Inventor : MOTOHARU SATO.

Application for Patent No. 351/Del/85 filed on 24th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A refrigeration circuit comprising a compressor (1), a condenser (2), a first expansion means (4) and an evaporator (15) so arranged that in use refrigerant passes around a flow passage from the compressor successively through the condenser, the first expansion means, and the evaporator, and back to a first suction port of the compressor, characterised in that a second expansion means (6) is connected in the flow passage between the condenser (2) and the first expansion means (4); and a pressure sensitive regulating valve (7), which is coupled across the second expansion means (6) to respond the pressure difference produced by the second expansion means, the outlet of the said valve being connected to the intermediate suction port (C) of the compressor (1) so that the valve control a quantity of refrigerant by passing the first expansion means (4) and the evaporator (15).

Compl. specn. 10 pages.

Drg. 1 sheet

Int. Cl.⁴ H 05 K 3/00 C 23 C 18/16, 18/54.

164433

A PROCESS FOR THE MANUFACTURE OF SELECTIVELY METALLISED INSULATING SUBSTRATES.

Applicant : KOLLMOGEN TECHNOLOGIES CORPORATION A CORPORATION DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATES OF TEXAS, OF 717 NORTH HARWOOD STREET, SUITE 1000, LOCK BOX 67, DALLAS, TEXAS 75201, UNITED STATES OF AMERICA.

Inventors : MICHAEL PAUL MOISAN JOSEPH PATRICK COOK.

Application for Patent No. 533/Del/85 filed on 8th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

A process for the manufacture of selectively metallized insulating substrates suitable for the manufacture of electronic interconnection boards comprising :

the steps of applying a hydrophobic masking layer to a non metallized insulating substrate, said masking layer covering all areas not to be metallized and leaving exposed areas to be provided with said masking layer with an agent comprising species capable of promoting metal deposition; and

contacting the substrate with a solution capable of electrolessly forming metal deposits on the unmasked areas of said substrate, characterized in that, after the catalyzing step and before the metal deposition, the surface is treated with a solution for removing catalytic species from the surface of said masking layer, said solution comprising a chelating agent for the catalytic species, a wetting agent and having a pH of between 10 and 14; and

that the surface is exposed to said solution for a time sufficient for removing essentially all the catalytic species from the masking layer and leaving catalytic species on unmasked portions of the substrate, and that metal layer is deposited on the catalysed portions of said substrate, thereby obtaining said selectively metallized insulating substrate

Compl. specn. 43 pages.

Int. Cl.⁴ G 06 F 15/00

164434

A SYSTEM OF MICROPROCESSORS CONNECTED TO A SERIES DATA BUS.

Applicant : SOCIETE D'APPLICATIONS GENERALES D'ELECTRICITE ET DE MECANIQUE S.A.G.E.M. A FRENCH COMPANY, OF 6, AVENUE D'ENNA, 75783 PARIS CEDEX 16, FRANCE.

Inventor : LAMIAUX SYLVES.

Application for Patent No. 565/Del/85 filed on 17th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A system of interconnected microprocessors connected to a series data bus, comprising :

a master microprocessor and at least one slave microprocessor;

said master microprocessor comprises a register located between an echo recognition device and a memory the register, the echo recognition device and the memory being connected to an internal data bus;

said slave microprocessor comprises a character receiving register, masking means for masking a character received in the register, a memory, an interrupt mechanism, an address register and an enabling mechanism all being connected to the interrupt mechanism being connected between the register and the address register and the enabling mechanism being connected to the interrupt mechanism;

the register comprising a receiving part and a transmitting part both connected to the series data bus by an OR gate and a line interface, respectively, or gate being connected to the input of receiving part, one of its inputs being connected to bus and its other input being connected to the input of interface through an inverter, the input of interface being connected also to the output of transmitting part of the receiver.

Compl. specn. 9 pages

Drg. 1 sheet

Int. Class⁴ : B 01 K 1/00

164435

AN ELECTRODE FOR USE IN ELECTROLYTIC PROCESSES.

Applicant : KERR-McGEE CHEMICAL CORPORATION, A DELAWARE CORPORATION LOCATED AT KERR-McGEE CENTER, OKLAHOMA CITY, OKLAHOMA 73125 UNITED STATES OF AMERICA.

Inventors : DWIGHT A SCHULKE AND EVERETTEM SPORE.

Application for Patent No. 835/Del/85 filed on 9th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

An electrode for use in electrolytic process having improved dimensional stability comprising :

a hanger bar member, said hanger bar member having a longitudinal axis and opposed ends and comprised of a core of an electrically conductive metal and a coating on said core of a lesser electrically conductive metal, said hanger bar member having a pair of engaging means, each engaging means of said pair of engaging means being axially disposed to said longitudinal axis of said hanger bar member and located inwardly of said opposed ends thereof, at least one of said engaging means of said pair of engaging means providing contact between said hanger bar member and an electric current-conducting bus bar;

at least one corrugated panel member having opposed upper and lower ends, said at least one corrugated panel member comprising a single corrugated sheet of said lesser electrically conductive metal and connected directly at its said upper ends to the hanger bar member along the longitudinal axis and between said engaging means thereof with said at least one corrugated panel member extending perpendicular to said hanger bar member; and a stiffening bar member having a longitudinal axis and connected directly to said lower end of said at least one corrugated panel member along said longitudinal axes; said stiffening bar member being made of said lesser electrically conductive metal.

Compl. specn. 21 pages

Drg. 1 sheet

Int. Class⁴: B 60 D 7/00

164436

A WIPER BLADE HAVING A CONNECTING DEVICE FOR SELECTIVELY CONNECTING THERETO EITHER ONE OF FIRST AND SECOND WIPER ARMS.

Applicant : CHAMPION SPARK PLUG EUROPE S.A., A BELGIAN CORPORATION, OF AVENUE LEPOLD III, 2A, B-7120 BINCHE, (PERONNES), BELGIUM.

Inventor : NORBERT GUERARD.

Application for Patent No. 997/Del/85 filed on 26th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A wiper blade having a connecting device for selectively connecting thereto either one of first and second wiper arms, the first wiper arm is provided with a first pivot pin and the second wiper arm is provided with a second pivot pin having different dimensions from the first pivot pin and each pivot pin having recesses wherein the superstructure of the wiper blade comprises a substantially rectangular opening laterally limited to two walls characterised in that said lateral walls are respectively provided with a first circular opening whose diameter is correspondingly larger than the diameter of the first pivot pin and with a second circular opening whose diameter is correspondingly larger than the diameter of the second pivot pin, the circular openings which respectively correspond to the first and to the second pivot pin being in alignment, and wherein the connecting device is provided with latching means corresponding to the recesses provided on the pivot pins for locking one or the other of said pivot pins on the superstructure of the wiper blade.

Compl. specn. 12 pages

Drg. 3 sheets

Int. Class⁴: B 65 H 75/00

164437

A DEVICE FOR STORING FILAMENTOUS MATERIAL.

3—507 GI/88

Applicant : SULZER BROTHERS LIMITED, A SWISS COMPANY, OF CH-8401 WINTERTHUR, SWITZERLAND.

Inventor : CORNELIS VAN DONK.

Application for Patent No. 1000/Del/85 filed on 28th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A device for storing filamentous material, such as weft yarn, wire tape or the like to be drawn off a supply reel and fed to a machine for further processing of the material, said device having a reel (13, 13a) comprising a support member (main disc 14, 14a) disposed about a rotational axis (8) and, disposed thereon, a substantially cylindrical winding drum (15) having a central spindle (16), the device also having a number of peripheral elements (18) adjustable radially of the winding drum (15) to guide the filamentous material storable as a single-layer winding on the reel periphery and to enable it to be drawn off axially from the end of the reel (13, 13a), said winding drum (15) being secured by adjustable means to the support member (main disc 14, 14a) for being adjustable transversely of the rotational axis (8).

Compl. specn. 20 pages

Drg. 3 sheets

Int. Class⁴: C 23 C 16/06

164438

IMPROVED CHEMICAL VAPOR DEPOSITION METHOD OF PRODUCING FLUORINE-DOPED TIN OXIDE COATINGS.

Applicant : M&T CHEMICALS INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF ONE WOODBRIDGE CENTRE, WOODBRIDGE, NEW JERSEY 07095, UNITED STATES OF AMERICA.

inventor : GEORGE HEINRICH LINDER.

Application for Patent No. 1025/Del/85 filed on 4th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims

An improved chemical vapor deposition method of producing a fluorine-doped tin oxide coating which has a minimum and constant sheet resistance under different process conditions, comprising :

(a) forming a liquid coating composition which includes an organic fluorine dopant and an organotin compound, said composition comprising :

(1) 1-30 wt.% of an organic fluorine dopant wherein at least one fluorine atom is located alpha or beta to a functional group wherein carbon is bonded to oxygen selected from carboxylic acid, anhydride, ester, alcohol, ketone, acid halide, or ether; and

(2) 70-99 wt.% of an organotin compound, which is an alkyltin trichloride, a dialkyltin dichloride, an alkylidichlorotin acetate, a dialkylchlorotin diacetate, or an ester in trichloride; or tin tetrachloride;

(b) vaporizing said liquid coating composition into a wet carrier gas to form a vapor mixture of carrier gas, water, organic fluorine dopant and an organotin compound; and

- (c) depositing in any known manner said vapor mixture on a substrate to form said coating, the vapor concentrations of said components being such that a parameter M, defined as :

$$M = \frac{(\text{AIR}) \quad (\text{H}_2\text{O})}{(\text{OFD}) \quad (\text{O})}$$

where

(AIR) is the concentration of the carrier gas, in moles, (H₂O) is the concentration of water in the carrier gas, in moles,

(OFD) is the concentration of organic fluorine dopant in the carrier gas, in moles, and

(O) is the concentration of organotin compound in the carrier gas in moles,

has a value of less than 50,000, thereby to produce a fluorine-doped tin oxide coating having a minimum and constant sheet resistance for said values of M.

The product of the invention is useful for coating glass, ceramics, metals & elemental filaments.

Compl. specn. 16 pages

Drg. 2 sheets

Int. Class⁴ : C 01 B 33/02

164439

A METHOD OF FORMING SOLAR GRADE SILICON SEMICONDUCTOR MATERIAL FROM RELATIVELY LOW PURITY METALLURGICAL GRADE SILICON MATERIAL.

Applicant : TEXAS INSTRUMENTS INCORPORATED, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, 13500 NORTH CENTRAL EXPRESSWAY, DALLAS, TEXAS 75265, UNITED STATES OF AMERICA.

Inventors : JULES DAVID LEVINE AND MELARD JEAN JENSEN.

Application for Patent No. 114/Del/86 filed on 10th February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A method of forming solar grade silicon semiconductor material from relatively low purity metallurgical grade a silicon material, comprising the steps of :

- heating in a manner such as herein described particles of said silicon material in air to form an oxide skin thereon of a thermally stable compound such as therein described;
- melting the material within said skin while relating said molten material within said skin to cause impurities in said material to travel into said skin;
- cooling the material to form a single crystal solid material within said skin;
- removing said skin from said particles; and
- repeating steps (a) through (d) on said particles.

Compl. specn. 11 pages

Drg. 1 sheet

Int. Class¹ : F 27 D 3/10

164440

APPARATUS FOR CHARGING A SHAFT FURNACE.

Applicant : PAUL WURTH S.A., A COMPANY ORGANISED UNDER THE LAWS OF LUXEMBOURG, OF 32 RUE D'ALSACE, L-1122 LUXEMBOURG GRAND-DUCHY OF LUXEMBOURG.

Inventors : RENE MAHR, EMILE LONARDI, GILBERT BERNARD, MARC SOLVI AND PIERRE MAILLET.

Application for Patent No. 191/Del/86 filed on 4th March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

Apparatus for charging a shaft furnace, having a rotary chute or oscillating chute distribution device and a storage hopper which is mounted on the vertical axis of the furnace and of which the discharge orifice towards the chute is controlled by a dispensing means to increase or reduce the discharge cross-section symmetrically about the said vertical axis, wherein the storage hopper and the dispensing means are movable about the vertical axis and are mounted inside a sealed chamber, above which are located at least two locks each provided with an upper sealing flap and a lower sealing flap, and wherein the hopper and the bottom of each of the locks are in the form of a tapered funnel, the conical wall of which forms an angle of less than 30° with the vertical axis of the furnace.

Compl. specn. 14 pages

Drg. 4 sheets

CLASS : 13A, 115 & 199

164441

Int. Cl. : E 02 b 5/08, 7/20;
E 02 d 17/00, 19/00.

A HIGH-WATER PROTECTION MEANS COMPRISING A WATER INSOLUBLE NON-SWOLLEN BUT IN WATER STRONGLY SWELLABLE MATERIAL.

Applicant & Inventor : 1. HASSO VON BLUCHER, OF COLUMBUSSTRASSE 58, D-4000 DÜSSELDORF, FEDERAL REPUBLIC OF GERMANY. 2. DR. ERNEST DE RUITER, OF HOHENSTRASSE 57A, D-5090 LEVERKUSEN 3, FEDERAL REPUBLIC OF GERMANY.

Application No. 869/Cal/84 filed December 14, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A high-water protection means, comprising a water insoluble non-swollen but in water strongly swellable polymer such as herein described in the form of fibers, thin strips film chips or particles having a grain size of from 50 to 2000 micrometers to ensure a rapid absorption, with or without other absorbers or fillers as herein described and a water permeable envelope, casing, bag or tubing closed at its ends which contain said non-swollen polymer and the permeability of which allows a quick penetration of water, but prevents the non-swollen polymer from falling out.

Compl. specn. 13 pages

Drg. Nil

CLASS : 83A₁, A₂ & B₆

164442

Int. Cl. : A 231 1/00, 1/26.

PROCESS FOR PREPARING A FOODSTUFF COMPOSITION.

Applicant : GENERAL FOODS CORPORATION, AT
250 NORTH STREET, WHITE PLAINS, NEW YORK,
(U.S.A.).

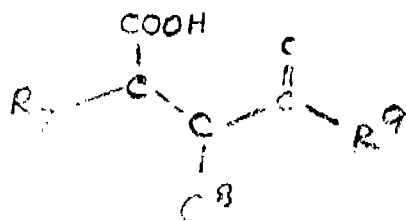
Inventor : RONALD EDWARD BARNETT.

Application No. 217/Cal/85 filed March 23, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

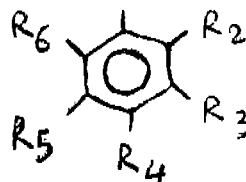
6 Claims

A process for preparing a foodstuff composition of inhibited sweetness perception, comprising adding to foodstuff containing a sweetener a food-acceptable sweetness inhibiting amount of a sweetness inhibiting compound having the general formula I of the accompanying drawings,



I

wherein R₇ is selected from the group consisting of hydrogen and C₁-C₃ alkyl, R₈ is selected from the group consisting of hydrogen and C₁-C₈ alkyl and wherein R₉ is the group of formula II,



II

wherein R₂, R₃, R₄, R₅ and R₆ are independently selected from the group consisting of hydrogen, C₁-C₈ alkyl, C₁-C₈ alkoxy, C₁-C₂ hydroxyalkyl, hydroxy and COOH: and the non-toxic salts thereof.

Compl. specn. 24 pages

Dg. 7 sheets

CLASS : 32 E

164443

Int. Cl. : C 08 f 27/14.

A PROCESS FOR THE PREPARATION OF HYDROLYSED POLYMALEIC ANHYDRIDE FROM COMMERCIAL GRADE MALEIC ANHYDRIDE.

Applicant : PROJECTS & DEVELOPMENT INDIA
LIMITED, OF SINDRI, PIN 828122, DHANBAD,
BIHAR, INDIA.

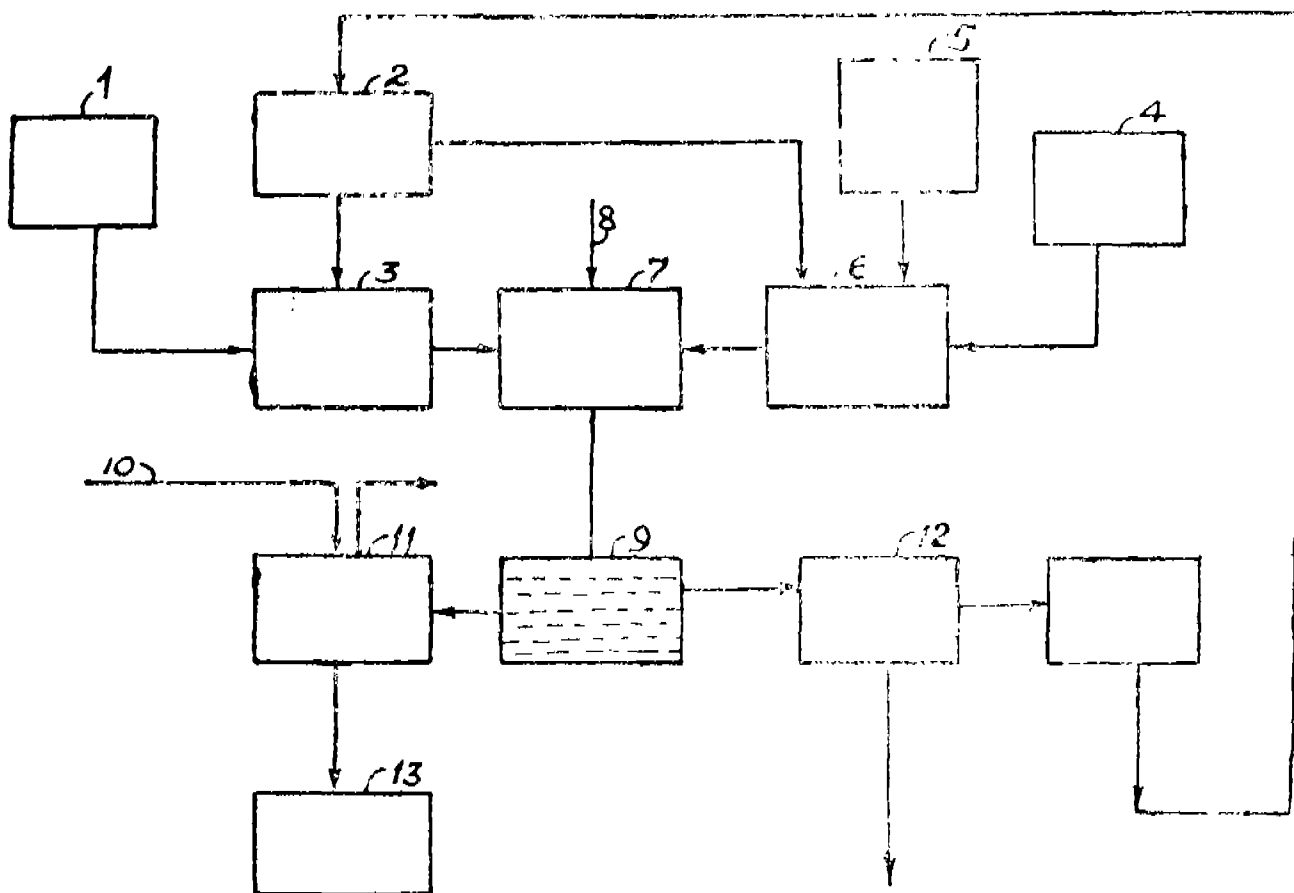
Inventor : 1. JUGENDRA NATH KAPOOR, 2. DINESH
PRAKASH MATHUR AND 3. SATYENDRA VARMA.

Application No. 136/Cal/85 filed February 23, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A process for the preparation of hydrolyzed polymaleic anhydride which comprises subjecting commercial grade maleic anhydride to polymerization using conventional polymerization catalyst such as dibenzoyl peroxide the reaction being carried out in presence of an organic solvent at temperature below 100°C until completion of polymerisation followed by subjecting the polymerized product obtained to hydrolization with a known hydrolyzing agent such as water at temperatures lower than the polymerization temperature, followed by cooling the reaction medium and separating hydrolyzed polymaleic anhydride in any known manner per se and thereafter removing traces of hydrocarbon solvent from the product.



Compl. specn. 7 pages

Drg. 2 sheets

CLASS : 32 c

164444

anhydride per mole of phenol in the presence of hydrogen fluoride at a temperature of from 0°-100°C.

Int. Cl. : C 07 c 1/00 to 5/00, C 07 c 51/23

Compl. specn. 17 pages

Drg. 7 sheets

PROCESS FOR PRODUCING 4-HYDROXYACETOPHENONE.

Applicant : CELANESE CORPORATION, AT 1211 AVENUE OF THE AMERICAS, NEW YORK, (U.S.A.).

Inventor : 1. KENNETH GERALD DAVENPORT; 2. CHARLES BRUCE HILTON; 3. GRAHAM NIGEL MOTT; 4. DONNA LEE KEENE.

Application No. 468/Cal/85 filed June 24, 1985.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for producing 4-hydroxyacetophenone comprising acetylating phenol with 0.4 to 2.0 moles of acetic

CLASS : 98 E, G

164445

Int. Cl. : F 28 b 11/00, F 28 c 3/00, F 28 d 9/00, F 28 f 27/00.

A SYSTEM OR DEVICE FOR CONTROLLING COMBUSTION TEMPERATURE IN A COMBUSTION HEATER.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, U.S.A.

Inventor : 1. MARION ALVAH KEYES IV, 2. ROBERT E. POCOCK.

Application No. 668/Cal/85 filed September 23, 1985.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A system or device for controlling the combustion temperature in a process heater, to obtain product of the process heater at desired temperature, comprising :

means for computing a heat flow required to produce a desired final product temperature;

means for controlling the position of a heater stack damper as a function of said computed heat flow;

means for calculating the total heat flow of the fuel to the heater;

means for comparing the calculated heat flow with the required heat flow; and

means for trimming the fuel flow to the heater as a function of the difference between the calculated heat flow and the required heat flow.

Compl. specn. 10 pages.

Drgs. 2 sheets

CLASS : 32 F, 2 C.

164446

Int. Cl. : C 07 e 125/00.

CYCLIC PROCESS FOR PRODUCING ALKALI SOLUTION OF CELLULOSE CARBAMATE PRECIPITATING THE CARBAMATE AND RECOVERING THE CHEMICALS.

Applicant : NESTE OY, KEILANIEMI, 02150 ESPOO, FINLAND.

Inventors : 1. OLLI T. TURUNEN, 2. JOUKO HUTTUNEN, 3. JOHAN-FREDRIK SELIN, 4. JAN FORS, 5. VIDAR EKLUND.

Application No. 674/Cal/85 filed September 23, 1985.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A cyclic process for producing an alkali solution of cellulose carbamate, for precipitating the cellulose carbamate from the alkali solution, and for recovering and recycling the chemicals, characterized by the following steps :

(a) an alkali solution of cellulose carbamate is prepared by dissolving cellulose carbamate in an aqueous solution of sodium hydroxide;

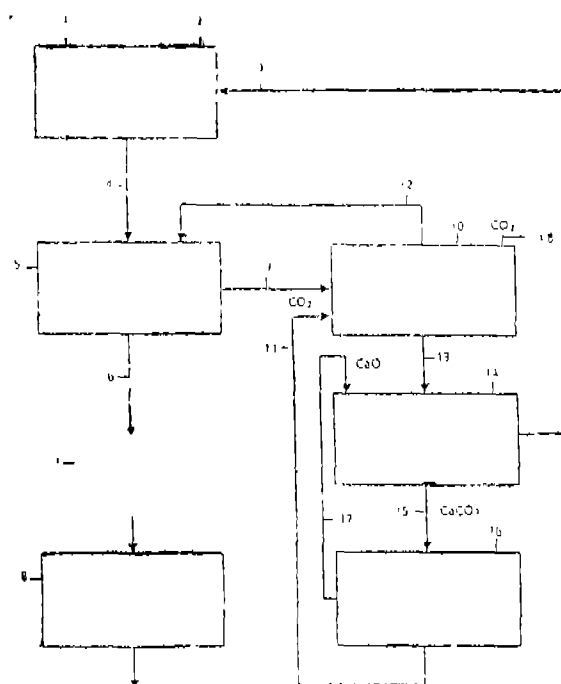
(b) the solution obtained in step (a) is contacted with a precipitant solution containing sodium carbonate, whereby the cellulose carbamate precipitates and can be separated from the solution;

(c) carbon dioxide is conducted into the solution obtained in step (b) for transforming the sodium hydroxide into sodium carbonate;

(d) the solution obtained in step (c) is treated with calcium oxide, whereby the sodium carbonate is transformed into sodium hydroxide and calcium carbonate precipitates from the solution;

(e) solution containing sodium hydroxide obtained in step (d) is returned to step (a) for dissolving cellulose carbamate; and

(f) calcium carbonate obtained in step (d) is decomposed into carbon dioxide and calcium oxide, and the calcium oxide is returned to step (d).



Compl. specn. 10 pages.

Drg. 1 sheet

CLASS : 32 F, 2 c.

164447

Int. Cl. : C 07 e 125/00.

CYCLIC PROCESS FOR PRODUCING ALKALI SOLUTION OF CELLULOSE CARBAMATE, PRECIPITATING THE CARBAMATE AND RECOVERING THE CHEMICALS.

Applicant : NESTE OY, KEILANIEMI, 02150 ESPOO, FINLAND.

Inventors : 1. OLLI T. TURUNEN, 2. JOUKO HUTTUNEN, 3. JOHAN-FREDRIK SELIN, 4. JAN FORS, 5. VIDAR EKLUND.

Application No. 675/Cal/85 filed September 23, 1985.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

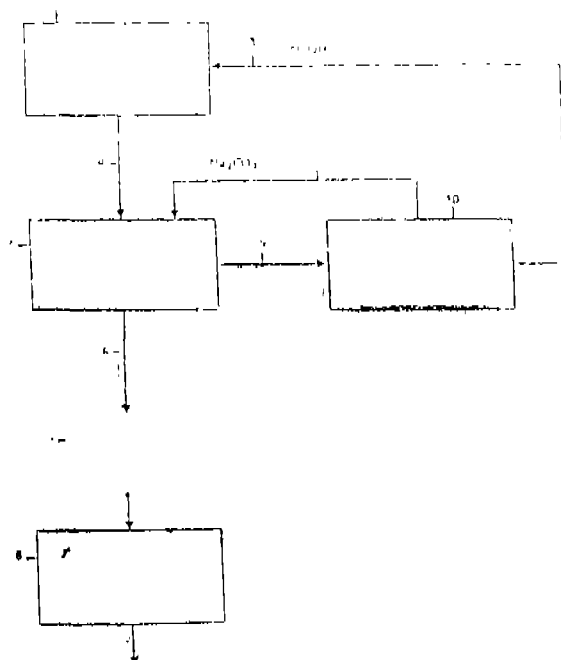
A cyclic process for producing an alkali solution of cellulose carbamate, for precipitating the cellulose carbamate from the alkali solution, and for recovering and recycling the chemicals, characterized by the following steps :

(a) an alkali solution of cellulose carbamate is prepared by dissolving cellulose carbamate in an aqueous solution of sodium hydroxide;

(b) the solution obtained in step (a) is contacted with a precipitant solution containing sodium carbonate, whereby the cellulose carbamate precipitates and can be removed;

(c) sodium carbonate obtained from the solution in step (b) is crystallized; and

- (d) mother liquor containing sodium hydroxide, obtained in step (c), is returned to step (a) for dissolving cellulose carbamate,



Compl. specn. 9 pages.

Drg. 1 sheet

CLASS : 83-A₂

164448

Int. Cl. : A 23 1 1/00.

METHOD FOR PRODUCING A COOKIE HAVING AN EXTENDED SHELF STABLE SOFT OR CHEWY TEXTURE THROUGHOUT THE COOKIE.

Applicant : NABISCO BRANDS, INC., OF NABISCO BRANDS PLAZA, PARSIPPANY, NEW JERSEY 07054, U. S. A.

Inventors : 1. ROBERT RAYMOND THULIN, 2. ROBERT EDGAR ROSS, 3. LORI JANE BANKS.

Application No. 791/Cal/85 filed November 06, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A method for producing a cookie having an extended shelf stable soft or chewy texture throughout the cookie comprising :

- (a) coextruding an inner adherent cookie dough such as herein described, bakable to a soft or chewy texture and an outer non-adherent cookie dough such as herein described, bakable to a soft or chewy texture, said inner dough comprising a liquid humectant sufficient to impart a shelf stable soft or chewy texture to the baked outer cookie dough in excess of that attainable by baking the outer dough alone to a shelf stable soft or chewy texture of the same moisture content;

- (b) severing the coextrudate into pieces to enrobe the inner cookie dough; and

- (c) baking by conventional method the pieces to a moisture content of at least 6 percent by weight of the cookie.

Compl. specn. 29 pages.

Drg. Nil

Int. Cl. : C 07 c 119/042.

164449

PROCESS FOR SEPARATING METHYL ISOCYANATE.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, LOCATED AT WILMINGTON, DELAWARE, U. S. A.

Inventor : GEORGE EDWARD HEINSOHN.

Application No. 911/Cal/85 filed December 18, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for separating methyl isocyanate from a gas-phase mixture containing methyl isocyanate and water vapor comprising, in order :

- (a) removing a portion of the water vapor by cooling the mixture to a temperature above the dew point of the methyl isocyanate in the mixture to condense a portion of the water vapor;

- (b) removing essentially all the remaining water vapor from the gas-phase mixture by adsorbing the water vapor from the gas mixture by passing the gas-phase mixture through a molecular sieve; and

- (c) liquefying the methyl isocyanate.

Compl. specn. 11 pages.

Drg. Nil

CLASS 39 C & N.

164450

Int. Cl. : C 07 c 35/00, C 01 d 7/00.

IMPROVED PROCESS FOR THE SIMULTANEOUS MANUFACTURE OF SODIUM CARBONATE AND AMMONIUM CHLORIDE.

Applicant : NEW CENTRAL JUTE MILLS CO. LTD., 18-A, BRABOURNE ROAD, CALCUTTA, WEST BENGAL, (INDIA).

Inventor : 1. OM PRAKASH KAPOOR, 2. SHASHI PRAKASH SRIVASTAVA.

Application No. 926/Cal/85 filed December 24, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A cyclic process for the simultaneous production of sodium carbonate (soda ash) and ammonium chloride, utilising an equilibrium solution of sodium chloride, ammonia and carbon dioxide, subjecting a carbonated mother liquor or the starting materials to a single ammoniation step, adding sodium chloride (common salt) to the ammoniated liquor at a temperature above 35°C, preferably 40°C to 42°C, for maintaining solubility of the sodium chloride in the liquor, subjecting said ammoniated salt containing liquor to crys-

liquefaction by vacuum cooling thereby forming a slurry of crystals of ammonium chloride, centrifuging said slurry of crystals and drying said crystals, concentrating the said liquor remaining in the crystallisation section after removal of the ammonium chloride crystals with ammonia vapours evolved in the initial stage for maintaining ammonia content, subjecting said liquor concentrated with ammonia vapour to carbonation by means of high purity carbondioxide in a series of reaction vessels, separating sodium bicarbonate thus produced and subjecting sodium bicarbonate to calcination to produce sodium carbonate or soda ash characterized in that maintaining a concentration of ammonia between 1.57% to 1.63% preferably about 1.60% in the ammoniated bicarb mother liquor, controlling sulphate impurities by treating a bleed of chloride mother liquor with barium chloride, subjecting the so ammoniated bicarb mother liquor to vacuum evaporation at a temperature of from 40°C to 42°C to remove the ammonia, ammoniating said filtrate obtained from the separation of the sodium bicarbonate with fresh ammonia and distiller ammonia to form ammoniated bicarbonate mother liquor and subjecting said ammoniated bicarbonate mother liquor to secondary carbonation before salt saturation.

Compl. specn. 23 pages.

Dr. Nil

Int. Cl.⁴ : C 07 D 277/62.

164451

PROCESS FOR THE PRODUCTION OF STORABLE BENZTHIAZOLE SULPHENAMIDES.

Applicant : BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF LEVERKUSEN, BAYERWERK, FEDERAL REPUBLIC OF GERMANY.

Inventors : JURGEN WASSEN, DIETER HULLSTRUNG AND HARRO SCHILESMANN.

Application for Patent No. 824/Del/85 filed on 7th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the production of storable benzthiazole sulphenamides from mercaptobenzthiazole or salts thereof and primary amines by oxidation in aqueous medium and filtration characterised in that said oxidation is continued until not more than 95% of the mercaptobenzthiazole or salt thereof has been consumed in the reaction for the production of the storable benzthiazole sulphenamides.

Compl. specn. 7 pages.

Int. Cl.⁴ : B 65 D, 13/00.

164452

"METHOD FOR MANUFACTURING A CAN-LIKE CONTAINER".

Applicant : ESSELTE PAC AKTIEBOLAG, A SWEDISH JOINT STOCK CORPORATION RESIDING AT VEDD-ESTAVAGEN 7-9, S-175 62 JARFALLA, SWEDEN.

Inventor : OD WIKAR CHRISTENSSON.

Application for Patent No. 829/Del/85 filed on 7th October, 1985. Divisional to Application No. 661/Del/82 Filed on 31st August, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

Method for manufacturing a can-like container comprising :

a sleeve formed jacket (1) and an end closure (2, 3) at least at one end of said jacket and in which at least one of the container jacket (1) and the end closure (2, 3) being made of a material comprising a base layer (4) of cardboard material or a similar stiff material which does not absorb high frequency energy and a further layer located on the base layer (4) and fabricated of a material which can absorb high frequency energy and at least one of the common surface of the jacket (1) and the at least one end closure (2, 3) of the container to be manufactured comprising a weldable layer (5) of a material which can be welded using high frequency current energy, characterized in making said container jacket (1) is made out of a planar punched blank which is formed into the container jacket (1);

placing said container jacket in a jacket carrier (8) which supports the jacket at least adjacent the open end thereof;

making said end closure (2, 3) out of a planar punched blank which is formed into a cup formed end closure having a planar bottom and, extending from said bottom, an upwardly projecting closure rim extending round the end closure, said end closure being formed from said planar punched blank by being passed through formation ring (12) to form said end closure into a cup form shape having a planar bottom of a size which is the same as or slightly smaller than the internal cross section of the open end of said container jacket (1);

pressing the end closure (2, 3) down into an open end of the container jacket (1) by means of a press piston (14) to form a common surface between the jacket and the end closure rim;

resiliently compressing a part of the height of the common surface between the jacket (1) and the end closure rim at a location intermediate the extremities of said common surface with a greater pressure than the remaining parts, while maintaining the end closure (2, 3) and the jacket (1) axially motionless in relation to each other, by expanding an expandable press ring (15d; 29) having a curved convex shape in cross section for contacting the end closure rim and forming a part of the press piston (14) when the latter is in the pressed down position thereof so as to press the end closure rim and corresponding jacket portion into engagement with each other over said part of the height of said common surface; applying high frequency current across the common surface between the jacket portion and the end closure rim until the at least one weldable layer is melted while maintaining the pressure on said part of the height of the common surface between the jacket and the end closure rim;

cutting of the high frequency current;

allowing the weld to solidify; and

retracting the expandable press ring (15d; 29) and moving the press piston (14) out of the sealed and closed container end.

Compl. specn. 17 pages.

Dr. 3 sheets

Int. Cl.⁴ : C 09 D 3/82.

164453

A PROCESS FOR THE PRODUCTION OF SILICONE BONDING VARNISH.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED OF 18-20 KASTURBA GANDHI MARG, NEW DELHI-110 001, INDIA, AN INDIAN COMPANY.

Inventors : KUNDAPUR MANJUNATH KAMATH, LAKSHMINARAYANAPURAM RAMASWAMY VEN-
TESWARAN AND TANGIRAI SITA RAMA MURTHY.
October, 1985.

Application for Patent No. 849/Del/85 filed on 14th
December, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patent Rules, 1972) Patent Office Branch, New Delhi-
110 005.

13 Claims

A process for the production of silicon bonding varnish which comprises subjecting chlorilane to hydrolyzation using water, followed by recovering acid free hydrolyzed product by washing the acid produced in a known manner and there after polymerizing the acid-free hydrolyzed product to produce silicone resin thereafter converting said resin to a varnish using a naphthenate curing agent.

Compl. specn. 11 pages.

Int. Cl⁴ : A 01N 25/04.

164454

PROCESS FOR PREPARING A POWDERED INSECTICIDAL COMPOSITION.

Applicant : DRYACIDE PTY. LTD., A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF WESTERN AUSTRALIA OF LEVEL 14, 447 COLLINS STREET, MELBOURNE 3000, VICTORIA, AUSTRALIA AND AGNEW CLOUGH LIMITED, A COMPANY INCORPORATED UNDER THE LAW OF THE STATE OF WESTERN AUSTRALIA, OF 22 MOUNT STREET, PERTH, 6000 WESTERN AUSTRALIA, AUSTRALIA.

Inventors : KENNETH BLAKE HEDGES & WILLIAM RICHARD BELFORD.

Application for Patent No. 958/Del/85 filed on 15th
November, 1985.

Convention date November 16, 1984/PG8157/(Australia).

Appropriate office for opposition proceedings (Rule 4,
Patent Rules, 1972) Patent Office Branch, New Delhi-
110 005.

10 Claims

A process for preparing a powdered insecticidal composition comprising the steps of :

forming a silicic acid mix by gelling a solution of sodium silicate with an organic or inorganic acid of the kind such as herein described, cutting said gel into small pieces, washing said gel pieces and adding water and ammonium fluosilicate to said gel pieces,

spraying said mix onto carrier particles as herein described of size range 100 to 500 Tyler mesh,

thereby producing damp sorptive particles coated with said mix in a gel form,

stabilising said damp sorptive particles with ammonia gas and drying the stabilised particles.

Compl. specn. 12 pages

Int. CLASS⁴ : C10G 1/08

164455

PROCESS FOR THE PRODUCTION OF A GASOLINE PRODUCT.

Applicant : RUHRKOHLE AG., OF RELLINGHAUSER STRASSE 1, POSTFACH 10 32 62, 4300 ESSEN 1, WEST GERMANY AND VEB A OEL AG., OF POSTFACH 45, 4660 GELSENKIRCHEN-BUER, WEST GERMANY.

Inventors : JANKOWSKI ALFONS, WERNER DOILLER AND GRAESER ULRICH.

Application for Patent No. 1110/Del/85 filed on 26th
December, 1985.

Divisional to Application No. 234/Del/83 filed on 7th
April, 1983.

Appropriate office for opposition proceedings (Rule 4,
Patent Rules, 1972) Patent Office Branch, New Delhi-
110 005.

4 Claims

A process for the production of a gasoline product from a chargestock which comprises cracking and distilling by any conventional method the chargestock to produce said gasoline product, characterised in that said chargestock is produced from a crude light coal oil by :

distilling from said crude light coal oil a first core fraction having a boiling range of 145 to 185°C and a second fraction having a boiling range less than said first fraction;

Extracting from said first core fraction the phenol content thereof; and

admixing said phenol-free first core fraction with said second fraction.

Compl. specn. 14 pages

Drg. 4 sheets

Int. CLASS⁴ : B65D 37/00

164456

BAG OF FLEXIBLE SYNTHETIC MATERIAL PRODUCED FROM AT LEAST ONE BAND OF SYNTHETIC MATERIAL SHEET.

Applicant : SOCIETE GENERAL DES EAUX MINERALES DE VITTEL, A FRENCH COMPANY, OF 88800 VITTEL, FRANCE.

Inventor : MICHEL CAZES.

Application for Patent No. 126/Del/86 filed on 18th
February, 1986.

Appropriate office for opposition proceedings (Rule 4,
Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

Bag of flexible synthetic material produced from at least one band of synthetic material sheet, having by means of seals (welds) a base (3), on which the bag rests, two lateral walls (2), a rear face providing a stiffening and gripping zone (4) connecting together the two lateral walls (2), a front face corresponding to the side where pouring of the contents of the bag takes place after it has been opened and a means for stiffening and stabilizing the bag, characterised in that the stiffening and stabilizing means consists of a buttress (18) of generally oblong form which is firmly attached to the bag (1) by two lines of sealing (welding) or gluing (13, 14) one said line (13) being at or near the base of the front face, the other said line (14) set back with respect to the upper parts of said buttress (18), thereby providing a zone (15) of the buttress open upwardly on three sides and especially towards the top of the bag in the locations of the pouring opening (16).

Compl. specn. 13 pages

Drg. 10 sheets

Int. CLASS⁴ : C 10 M 101/04

164457

AN IMPROVED PROCESS FOR THE PREPARATION OF STABLE ANIONIC FATLIQUORS BASED ON GLYCERIDE OILS HAVING IODINE VALUES LESS THAN 100.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : KRISHNA IYER VIJAYALAKSHMI, GEETA BASKAR, VEMU VENKATA MURALIDHARA RAO, SAMBOSANKARA RAJADURAI.

Application for Patent No. 204/Del/86 filed on 6th March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

An improved process for the preparation of stable anionic fatliquors based on glycerides type oils having iodine values less than 100 which comprises reacting non edible oils like castor oil of pongam oil with polyhydroxy organic compounds such as herein described in the presence of a catalyst such as herein described at a temperature in the range of 100–360°C and subjecting the reaction products to oxidative sulphitation known by methods such as herein described.

Complete specification 7 pages.

Int. CLASS⁴ : C 04 B 7/48

164458

Title : PROCESS AND APPARATUS FOR THE MANUFACTURE OF WHITE CEMENT.

Applicant : O & K ORENSTEIN & KOPPEL AKTIENGESELLSCHAFT, A GERMAN COMPANY, OF 1000 BERLIN 20, BRUNSBUTTELER DAMM 144-208, WEST GERMANY.

Inventors : JURGEN ALBERS, RUDOLF LANGE, WOLFGANG BETHMANN AND GERHARD ZAKEL.

Application for Patent No. 388/Del/86 filed on 30th April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

Process for the manufacture of white cement comprising burning the cement in a rotary tubular kiln, quenching the hot cement clinkers by spraying with water, drying and further cooling the cement clinkers by means of air and drawing off the steam produced during the step of water spraying the hot clinkers characterised by screen classifying the cement clinkers during the treatment in which it is sprayed with water to separate said clinkers into fine fraction containing articles upto 10 mm and coarse fraction containing particles more than 10 mm, comminuting the coarse fraction, subjecting the comminuted coarse fraction to additional water spraying and then finally drying and cooling the comminuted coarse fraction together with the fine fraction to produce high quality cement.

Compl. specn. 13 pages

Drq. 1 sheet

Int. CLASS⁴ : C 10 L 1/02

164459

Title : A PROCESS FOR THE PRODUCTION OF KEROSENE FROM LIGHT OLEFINS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : CHANGAKAMPONNATH GOPINATHAN, JOSEPH KURUVILLA, (Mrs) SARADA GOPINATHAN, AMBADAS MADHAVRAO HUNDEKAR, STARAD KESHAV PANDIT, IKKANDATH RAGHAVAN UNNY,

4-5867 GI/88

(Mrs) SHILPA SHIRISH DESHPANDE, (Mrs) SANJEEVANI AMRIT PARDHY AND PAUL RATNASAMY.

Application for Patent No. 569/Del/86 filed on 30th June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

7 Claims

A process for the production of kerosene from light olefins such as ethylene, propylene and butenes which comprises contacting the light olefins with a catalyst comprising of heteropoly acids such as tungstic acid, phosphomolybdic acid, phosphotungstic acid & silico butyric acid or their salts, supported on solid support such as silica gel, thoria or silica alumina, and hydrogenising the product obtained by known methods.

Compl. specn. 8 pages.

Int. CLASS⁴ : C 07C 147/06

164460

Title : AN IMPROVED PROCESS FOR THE PREPARATION OF 4, 4-BIS-DIMETHYLAMINO-DIPHENYL SULPHONE

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

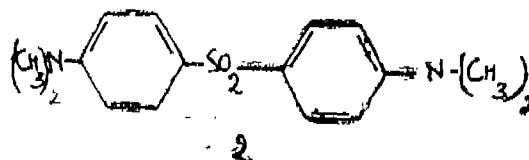
Inventors : MRIDULA SAXENA, SAHID ALI, ANIL KUMAR SAXENA, NEELIMA SRIVASTAVA, SUBHASH CHANDRA, AMIT BHUSHAN SEN, SUNIL KUMAR PURI, GURU PRASAD DUTTA AND NITYA ANAND.

Application for Patent No. 764/Del/86 filed on 26th August, 1986.

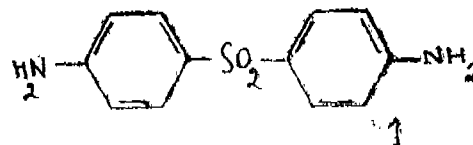
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An improved process for the preparation of 4, 4'-bis-dimethylamino diphenylsulphone of the formula (2) of the accompanying drawing:



which comprises reacting 4, 4'-diaminodiphenyl sulphone the formula (1)



with formaldehyde and hydrogen in presence of catalyst like Ru/Ni, Pd/c in an atmosphere of hydrogen and catalysing by known methods the product formed.

Compl. specn. 5 pages

Drq. 1 s

Inventors : KRISHNA IYER VIJAYALAKSHMI,
GEETA BASKAR, VEMU VENKATA MURALIDHARA
RAO, SAMBOSANKARA RAJADURAI.

Application for Patent No. 204/Del/86 filed on 6th March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

An improved process for the preparation of stable anionic fatliquors based on glycerides type oils having iodine values less than 100 which comprises reacting non edible oils like castor oil or pongam oil with polyhydroxy organic compounds such as herein described in the presence of a catalyst such as herein described at a temperature in the range of 100–360°C and subjecting the reaction products to oxidative sulphitation known by methods such as herein described.

Complete specification 7 pages.

Int. CLASS⁴ : C 04 B 7/48

164458

Title : PROCESS AND APPARATUS FOR THE MANUFACTURE OF WHITE CEMENT.

Applicant : O & K ORENSTEIN & KOPPEL AKTIEN-GESELLSCHAFT, A GERMAN COMPANY, OF 1000 BERLIN 20, BRUNSBUTTELER DAMM 144-208, WEST GERMANY.

Inventors : JURGEN ALBERS, RUDOLF LANGE, WOLFGANG BETHMANN AND GERHARD ZAKEL.

Application for Patent No. 388/Del/86 filed on 30th April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

Process for the manufacture of white cement comprising burning the cement in a rotary tubular kiln, quenching the hot cement clinkers by spraying with water, drying and further cooling the cement clinkers by means of air and drawing off the steam produced during the step of water spraying the hot clinkers characterised by screen classifying the cement clinkers during the treatment in which it is sprayed with water to separate said clinkers into fine fraction containing articles upto 10 mm and coarse fraction containing particles more than 10 mm, comminuting the coarse fraction, subjecting the comminuted coarse fraction to additional water spraying and then finally drying and cooling the comminuted coarse fraction together with the fine fraction to produce high quality cement.

Compl. specn. 13 pages

Drg. 1 sheet

Int. CLASS⁴ : C 10 L 1/02

164459

Title : A PROCESS FOR THE PRODUCTION OF KEROSENE FROM LIGHT OLEFINS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : CHANGARAMPONNATH GOPINATHAN, JOSEPH KURUVILLA, (Mrs) SARADA GOPINATHAN, AMBADAS MADHAVRAO HUNDEKAR, S. ARAD KESHAV PANDIT, IKKANDATH PACHAVAN UNNY,

4-367 GI/88

(Mrs) SHILPA SHIRISH DESHPANDE, (Mrs) SANJEEVANI AMRIT PARDHY AND PAUL RATNASAMY.

Application for Patent No. 569/Del/86 filed on 30th June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A process for the production of kerosene from light olefins such as ethylene, propylene and butenes which comprises contacting the light olefins with a catalyst comprising of heteropoly acids such as tungstic acid, phosphomolybdic acid, phosphotungstic acid & silico butynic acid or their salts, supported on solid support such as silica gel, thoria or silica alumina, and hydrogenising the product obtained by known methods.

Compl. specn. 8 pages.

Int. CLASS⁴ : C 07C 147/06

164460

Title : AN IMPROVED PROCESS FOR THE PREPARATION OF 4, 4'-BIS-DIMETHYLAMINO-DIPHENYL SULPHONE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

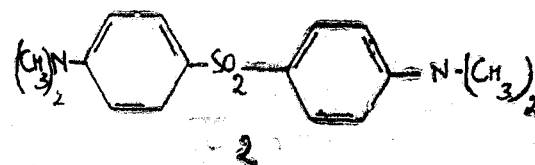
Inventors : MRIDULA SAXENA, SAHID ALI, ANIL KUMAR SAXENA, NEELIMA SRIVASTAVA, SUBHASH CHANDRA, AMIYA BHUSHAN SEN, SUNIL KUMAR PURI, GURU PRASAD DUTTA AND NITYA ANAND.

Application for Patent No. 764/Del/86 filed on 26th August, 1986.

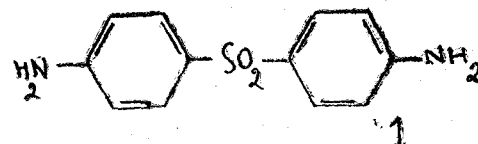
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An improved process for the preparation of 4, 4'-bis-dimethylamino diphenylsulphone of the formula (2) of the accompanying drawing:



which comprises reacting 4, 4'-diaminodiphenyl sulphone the formula (1)



with formaldehyde and hydrogen in presence of catalyst like Ra/Ni, Pd/c in an atmosphere of hydrogen and catalysing by known methods the product formed.

Compl. specn. 5 pages

Drg. 1 s

Int. Cl.⁴ : B 22 F 3/12

164461

13 Claims

A METAL SINTERED MOLDED BODY AND METHOD OF MANUFACTURING THE SAME.

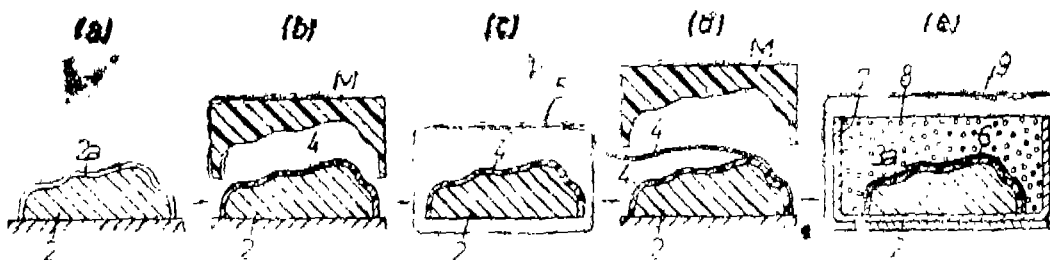
Applicant : HONDA GIKEN KOGYO KABUSHIKI KAISHA, A CORPORATION OF JAPAN, OF 8-go, 27-BAN, JINGUMAL 6-CHOME, SHIBUYO KU, TOKYO, JAPAN.

Inventors : (1) OSAMU KOBAYASHI, (2) HIROSHI SASAKI, (3) TOSHIKI KANEKO, (4) HIDEAKI IKEDA, (5) YOSHIHISA YAMAMURA.

Application No. 284/Mas/85 filed April 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch

A method for manufacturing a metal sintered molded body, comprising the steps of mixing 70 to 90 weight % of self-fluxing alloy powder selected from Ni self-fluxing alloy powder, Fe self-fluxing alloy powder and Co self-fluxing alloy powder and 10 to 30 weight % of the metal powder selected from Mo, W, stainless steel, WC, Fe-MO (ferromolybdenum) having a highest melting point than that of said self-fluxing alloy powder and kneading 1 to 10 weight % of a known plastic binder with said metal powder mixture to obtain a plasticizing material, said plasticizing material is heated and dried and thereafter molded into the molded body of a sheet form in a thermoplasticized state by a known manner and sintering said molded body at a temperature in excess of a liquid phase line of said self-fluxing alloy powder.



Compl. specn. 36 pages

Drg. 3 sheets

Int.: CLASS⁴ : B 05 D 5/06

164462

C08 G71/04.

A METHOD AND APPARATUS OF MAKING A TRANSPARENT ARTICLE WITH HIGH OPTICAL QUALITY PROTECTIVE COATING AND THE ARTICLE THEREOF.

Applicant : SAINT GOBAIN VITRAGE, OF "LES MIROIRS", 18TH AVENUE D'ALSACE, 92400 COURBEVOIE, FRANCE, A FRENCH COMPANY.

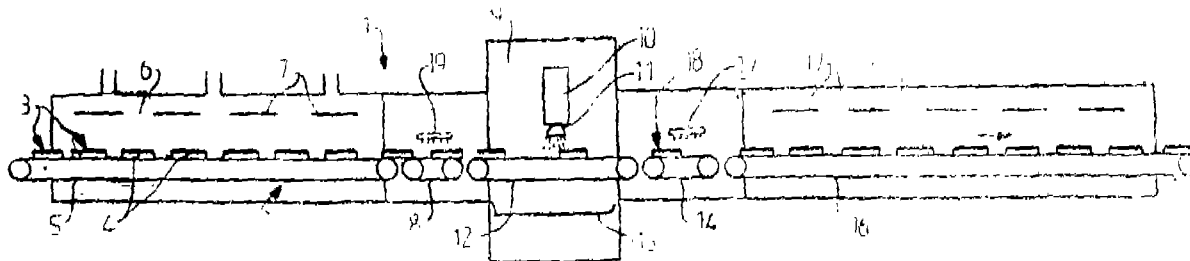
Inventors : JEAN LOUIS BRAVET FRANCOIS DE TOYTOT GERD LEYENS SIEGERIED PIKHARDT HERBERT BAYER.

Application No. 286/Mas/85 filed on April 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, Madras.

15 Claims

A method of making a transparent article such as a pane of glass and/or plastics material having a high optical quality protective coating comprising spraying onto the transparent substrate a mixture of components such as herein described to form a layer of polyurethane in the form of a homogeneous coating layer of high optical quality, wherein the said mixture is sprayed by means of centrifugal spraying at high speed the centrifugal spraying being performed by a bowl rotating at a speed from 1,000 to 80,000 rotations per minute, the mixing of the components is carried out directly in the spray head, and heating the coating layer thus formed to polymerise the mixture of components therein.



Compl. specn. 21 pages

Drg. 3 sheets

Int.: CLASS⁴ : C 07 C 149/12

164463

METHOD FOR THE PREPARATION OF OLEFIN POLYULFIDES

Applicant : INSTITUT FRANCAIS DU PETROLE, a French body corporate, of 4 avenue de Bois Preau, 92502 Rueil Malmaison France

Inventor(s) : Maurice BORN
Guy PARC
Lucienne BRIQUET
Daniel PAQUER

Application No. 297/MAS/85 filed on April 18, 1985

Appropriate office for opposition proceedings (under Rule 4, Patent Rules 1972) the Patent Office Branch, Madras.

12 Claims

A method for the preparation of an olefin polysulfide, characterized in that it comprises the following steps:

(1) at least one compound chosen from sulfur monochloride or dichloride is reacted with at least one mono-olefin containing 3 to 5 carbon atoms, in a proportion of 1.5 to 2.5 moles of mono-olefin per mole of sulfur monochloride and/or dichloride, thereby forming an addition compound or adduct;

(2) said adduct is brought into contact with at least one hydrocarbyl halide chosen from C_1 to C_{12} alkyl, C_3 to C_{12} cycloalkyl and C_6 to C_{12} arylalkyl chlorides, bromides and iodides, the proportion of said hydrocarbyl halide corresponding to 1–70% in gram-atoms of halogen with respect to the number of gram-atoms of halogen in the aggregate formed by said adduct and said hydrocarbyl halide, with at least one sulfur compound selected from the sulfides, hydrosulfides and polysulfides of alkali metals, ammonium or alkaline-earth metals used in a proportion of about 0.4 to 0.8 mole per gram-atom of halogen contained in the aggregate formed by said adduct and said hydrocarbyl halide, and a proportion of elementary sulfur of up to 7 gram-atoms per mole of said sulfur compound, within a medium consisting of water or a mixture of water and an aliphatic monalcohol; and

(3) the resultant mixture is heated and, after separation into two phases, the olefin polysulfide is obtained from the organic phase.

Olefin polysulfides are used as additives in lubricants.

(Complete specification—46 pages; Drawings—1 sheet)

subjecting the said charcoal to the step of gas activation by heating in an atmosphere of carbon dioxide;

admixing the so heated charcoal with an optimum amount of upto 10% wt/wt of platinum metal catalyst;

heating the catalysed charcoal in vacuum and finally forming the electrodes from the catalysed carbon.

Compl. specn. 6 pages

Drg. 1 sheet

Int. Class⁴ : C 07 C 1/04

164465

PROCESS FOR THE PREPARATION OF HYDROCARBONS.

Applicant : SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V. OF CAREL VAN BYLANDTLAAN 30, 2596 HR THE HAGUE THE NETHERLANDS, A NETHERLANDS COMPANY.

Inventor(s) : MARTIN FRANCISCUS MARIA POST SWAN TRONG SIU

Application No.: 443/MAS/85 filed on June 13, 1985.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules 1972) The Patent Office, Madras Branch.

Int. Cl.⁴ : H 01 M 4/60.

164464

PROCESS FOR FABRICATING A HYDROGEN ANODE BY DEPOSITING PLATINUM CATALYST ON ACTIVE CARBON.

Applicant : INDIAN INSTITUTE OF SCIENCE, BANGALORE-560 012, KARNATAKA, INDIA. AN INDIAN INSTITUTE.

Inventor : ASHOK KUMAR SHUKLA, KALAR VENKATARAM SHARMA RAMESH.

Application No. 372/Mas/85 filed 21 May 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

4 Claims

A process for the preparation of a porous carbon electrode which comprises in :

subjecting coconut-shell charcoal to soxhlet treatment with azeotropic hydrochloric acid;

washing the treated charcoal and mechanically grinding and sieving the said charcoal;

Process for the preparation of hydrocarbons by catalytic reaction of carbon monoxide with hydrogen, wherein a mixture of carbon monoxide and hydrogen having an H_2/CO molar ratio of 1.5 to 2.5 is contacted at elevated temperature and pressure with a catalyst which contains 3–50 parts by weight of cobalt and 0.1–100 parts by weight of a least one other metal selected from zirconium, titanium and chromium per 100 parts by weight of silica, alumina or silica-alumina, the catalyst being prepared by kneading and/or impregnation said catalyst satisfying the relationship:

$$(3 : 4R) > \frac{L}{S_i} > R(0.3 - 0.4R), \text{ wherein}$$

L = the total quantity of cobalt present on the catalyst expressed in mg of Co/ml.

S_i = the internal surface area of the catalyst, expressed in m^2/ml , and

R = the weight ratio between the quantity of cobalt applied to the catalyst by kneading and the total quantity of cobalt present on the catalyst; and the catalyst is

present in the form of a fixed bed, the said catalyst is present in the form of a fixed bed, the said catalyst bed having an external surface area (S_e) between 5 and 70 cm²/ml and an internal surface area (S_i) between 10 and 400 m²/ml such as to satisfy the relationship

$$10^6 > S_e \times S_i > 2.5 \times 10^4$$

(Complete specification—15 pages; No Drawings).

Int. Cl.⁴: F24J 2/04

164466

SOLAR COLLECTOR.

Applicant : WORLDWIDE SOLAR GROUP (AUSTRALIA) PTY. LTD. A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF WESTERN AUSTRALIA, OF 84 NORMA ROAD, MYAREE, WESTERN AUSTRALIA, AUSTRALIA.

Inventor : PAUL BASIL KOUNIS.

Application No. 402/Mas/85 filed 31 May 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

7 Claims

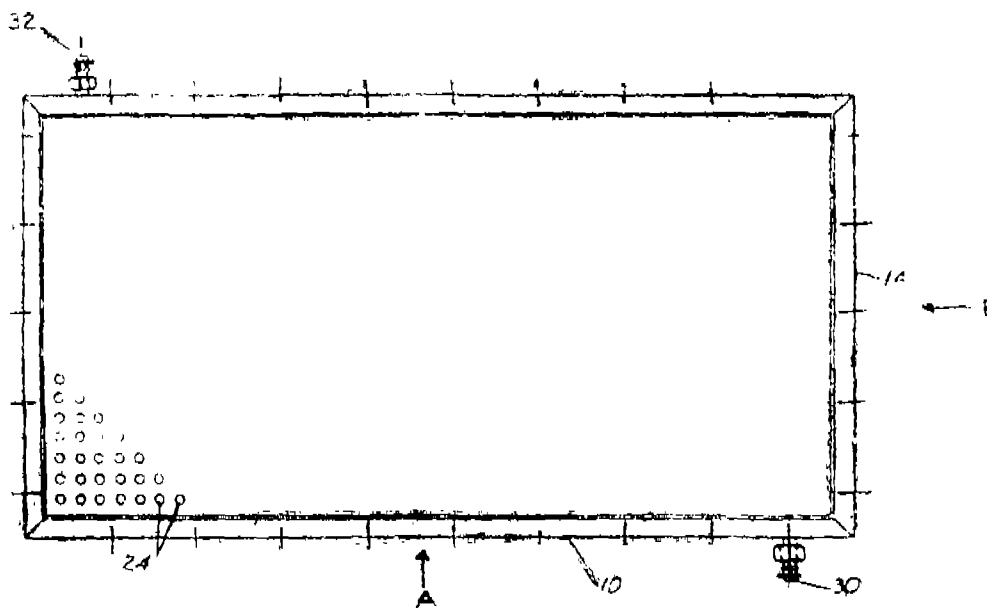
A solar collector comprising :

first and second panels connected together in spaced; face to face relationship;

water inlet means leading into the space between the panels and water outlet means leading from the space between the panels;

wherein the second panel is flat and the first panel is formed with an array of dimples defining flow passages in the space between the panels;

said flow passages comprising a first set of flow passages extending parallel to one another in one direction and a second set of flow passages extending parallel to one another in another direction and intersecting the first set of flow passages.



Compl. specn. 8 pages

Org. 3 sheets

Int. Cl.⁴ D04D 7/10.

164467

A BOW PACK RIBBON.

Applicant : VANAJA RIBBONS & ALLIED INDUSTRIES, OF 2ND MAIN, C. K. CHANNAPPA LAYOUT, MISSION ROAD CROSS, POST BOX NO. 2719, BANGALORE-560 027, KARNATAKA, INDIA: A RE-

REGISTERED INDIAN PARTNERSHIP FIRM OF WHICH THE PARTNERS ARE MAGAJI DURGASA GANGADHARASA, MAGAJI GANGADHARASA SRINIVASA, MAGAJI GANGADHARASA VASUDEVA, MAGAJI GANGADHARASA PADMANABHA AND MAGAJI GANGADHARASA KESHAVA, ALL INDIAN NATIONALS AND OF THE AFORESAID ADDRESS.

Inventor : MAGAJI GANGADHARASA VASUDEVA.

Int. Cl.⁴ B 01 J 7/00

164468

Application No. 510/Mas/85 filed July 3, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

10 Claims

A bow pack ribbon comprising a bow element as herein described having a plurality of orifices disposed at predetermined intervals along the longitudinal axis thereof and at least one interlacer element woven into said orifices whereby said interlacer element engages each alternate orifice in a direction opposite to the next adjacent orifice.

AN APPARATUS FOR QUENCHING A HOT PRODUCT GAS LEAVING A GASIFICATION REACTOR.

Applicant : SHELL INTERNATIONALE RESEARCH
MAATSCHAPPIJ B.V. OF CAREL VAN BYLANDT-
LAAN 30, 2596 HR THE HAGUE THE NETHER-
LANDS. A NETHERLANDS COMPANY.

Inventor : MATHEUS MARIA VAN KESSEL; HENDRIKUS JOHANNUS ANTONIUS HASE NACK JAN PIETER VAN VREDE..

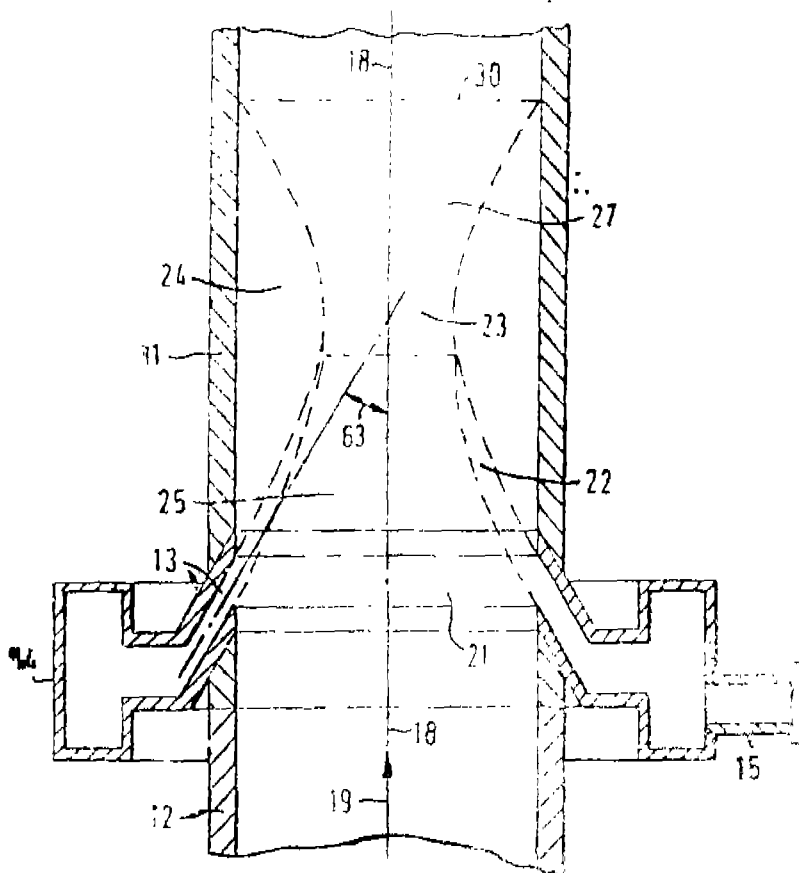
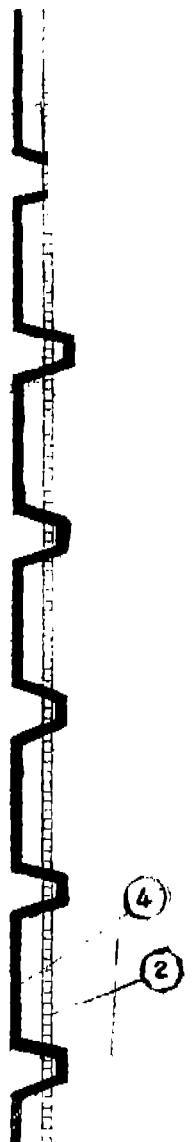
Application No. 527/Mas/85 filed 11th July 1985.

Convention dated 13th July 1984 (No. 8417877; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Paten Rules, 1972) Patent Office, Madras Branch.

5 Claims

An apparatus for quenching a hot product gas leaving a gasification reactor wherein a carbonaceous material is partially oxidized, comprising a quench section, inlet conduit means that is connected to a hot product outlet of the gasification reactor, and at least one frusto-conical quench fluid conduit having an apex angle in the range of from 0° to 90° and tapering in the direction in which product gas is passed through the apparatus, during normal operation, wherein the circumferential outlet opening(s) of the frusto-conical quench fluid conduit(s) opens (open) into the apparatus, and the inlet(s) of the frusto-conical quench fluid conduit(s) is (are) connected to a supply of quench fluid.



Int. Cl.⁴ H 05 B 7/06

164469

GRAPHITE ELECTRODES WITH PROTECTIVE COATING.

Applicant : NAUCHNO PROIZVODSTVENO PREDPRIATIE PO ELEKTROTERMIJA, OF BOTNUETZ, 1770 SOFIA, BULGARIA. A SCIENTIFIC PRODUCTION ENTERPRISE, ORGANIZED UNDER THE LAWS OF BULGARIA.

Inventor : VASSIL GEORGIEV PEEV, MAXSIM OBRETOVITZONEVSKI, YORDAN TODOROV PIROV.

Application No. 603/Mas/85 filed 2 August 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

Graphite electrodes with protective coating consisting of three layers of which the first and the second represent metallized aluminium and a blend containing aluminium powder, silicon carbide, silicon, titanium dioxide and boric acid which are treated by electric arc while the third layer is of pure aluminium, wherein both the first and second layers or only the second layer contain 0.05 to 0.95% nickel and 0.1% to 15% iron of the total amount of aluminium in these layers and the said first and second layers are treated with heat from 8×10^6 to 16×10^6 W/m².

Compl. specn. 6 pages

Drg. Nil

Int. Cl.⁴ : C 25 B 11/10.

164470

A PROCESS FOR MAKING AN IMPROVED ANODE FOR ELECTROCHEMICAL PRODUCTION AND THE IMPROVED ANODE THEREOF.

Applicant : INDIAN SPACE RESEARCH ORGANISATION DEPARTMENT OF SPACE, OF F-BLOCK, CAUVERY BHAVAN, DISTRICT OFFICE ROAD, BANGALORE 560 009, INDIA, AN INDIAN INSTITUTE.

Inventors : MALATHU MATHEW APREM, KODAKKATTIL UNNIKRISHANAN, KOCHUVEETIL MAYELAN SUKUMARAN, KRISHNAPILLAI SREEKUMARAN NAIR.

Application No. 621/Mas/85 filed on August 8, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

A process for making an improved anode for the electrochemical production of perchlorates, chlorates, bromates, iodates, periodates or the like, said process comprising electrodepositing lead dioxide or mixed oxide coated titanium mesh anode of the titanium/titanium oxide/ruthenium oxide type or titanium/titanium oxide/ruthenium oxide palladium oxide type in an electrolyte comprising a mixture of 250 to 300 gm/l of lead nitrate and 25 to 30 gm/l of copper nitrate at a pH of 1.5 to 2 and current density of 3 to 4 Amp/DM² for at least 10 to 12 hours using a copper mesh cathode disposed on either side of the said anode, the electrodeposition being carried out keeping the anode stationary and agitating the electrolyte using oil-free compressed air to obtain a uniform lead dioxide coating on the mixed oxide coated titanium mesh anode.

Compl. specn. 10 pages.

Drgs 1 sheet

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